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USAFETAC/DS--91/261

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SURFACE OBSERVATION CLIMATIC SUMMARIES

for

LUKE AFB, ARIZONA

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723



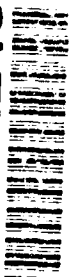
NOVEMBER 1991

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11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, LUKE AFB, ARIZONA, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SPCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY DATA: MAR 81 - FEB 91 (AIRWAYS).

SUMMARY OF DAY DATA: JAN 73 - JUN 74 (PART TIME).

SUMMARY OF DAY DATA: DEC 41 - NOV 46, APR 51 - DEC 70, JUL 74 - FEB 91 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	ORST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WRAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. OF SUMMARY 722785	STATION NAME LUKE AFB, AZ	LATITUDE N 33 32	LONGITUDE W 112 23	FLD ELEV (FT) 1090	CALL SIGN LUF	WMO NMBR			
STATION LOCATION AND INSTRUMENTATION HISTORY									
Nbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	Luke Field, AZ	AAP	Dec 41	Nov 46	N 33 32	W 112 22	1092	1095	24
2	Luke AFB, AZ	AFB	Apr 51	Feb 53	Same	Same	Same	Same	24
3	Same	Same	Mar 53	Feb 58	N 33 30	Same	1116	1093	24
4	Same	Same	Mar 58	Mar 62	N 33 32	W 112 23	1111	Same	24
5	Same	Same	Mar 62	Dec 72	Same	Same	Same	1087	24
6	Same	Same	Jan 73	Jan 74	Same	Same	Same	Same	19
7	Same	Same	Jan 74	Dec 74	N 33 33	W 112 22	1101	1091	19
8	Same	Same	Jan 75	Jul 81	Same	Same	Same	Same	24
9	Same	Same	Aug 81	May 86	Same	Same	1090	1085	24
10	Same	Same	Jun 86	Jan 88	N 33 32	W 112 23	Same	Same	24

Nbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Dec 41	N half Bldg 27-2	Anemometer	N/A	20 ft	
2	May 43	Same Bldg T-439	Selsyn	ML-144	Same	
3	Apr 51	Atop weather station	AN/GMQ-1	N/A	33 ft	
4	Mar 54	Atop Ops Bldg	Same	N/A	29 ft	
5	Mar 58	Atop control tower	Same	N/A	75 ft	
6	Mar 59	1000' N of control tower	AN/GMQ-11	RO-2	10 ft	
7	Mar 61	1.950' N of ROS, 570' SE rwy03R	Same	Same	12 ft	
		2.900' NW of taxiway	Same		Same	
8	Jan 71	1.Same	AN/GMQ-20	RO-362	Same	
		2.550' NE of end rwy 21r	Same		Same	
9.	Jan 88	1.Same	Same	Same	14 ft	
		2.Same	Same		9 ft	

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	AAAAAAAAA
PP	AAAAAAAAA	RR RR	TT	AAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

A - 1 - 1

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN

HOURS (LST)	TSIMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.1	2.8				2.8	4.0	.1			6.9	930
03-05	1	2.5				2.5	4.3				6.8	930
06-08		2.0				2.0	4.5	.1			6.7	930
09-11	.1	2.5				2.5	3.3	1.3			7.1	930
12-14		2.3				2.3	1.8	3.9			8.0	930
15-17	.2	3.8				3.8	.8	4.5		.1	9.1	930
18-20	.1	2.6				2.6	1.0	1.0			4.5	930
21-23		2.4				2.4	2.5	.6			5.5	930
ALL HOURS	.1	2.6				2.6	2.8	1.4		.0	6.8	7440

MONTH: FEB

00-02	.5	4.7				4.7	1.7				6.4	846
03-05		3.5		.2		3.8	1.8				5.6	846
06-08		2.7				2.7	1.5				4.3	846
09-11	.1	2.5				2.5	1.7	.5			4.6	846
12-14		2.0				2.0	.6	.8		.1	3.5	846
15-17	.1	2.7		.1		2.8	.6	.8			4.3	845
18-20	.1	3.4		.2		3.7	.5	.1		.1	4.4	843
21-23	.2	3.9				3.9	.6				4.5	843
ALL HOURS	.1	3.2		.1		3.3	1.1	.3		.0	4.7	6761

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.2	3.7				3.7	.1			.4	4.2	930
03-05	.3	3.3				3.3	.4				3.8	930
06-08	.2	3.3				3.3	.3				3.7	930
09-11	.1	2.4				2.4	.3	.2			2.9	930
12-14	.2	3.1				3.1	.1	.4		.1	3.8	930
15-17	.3	2.9			.1	3.0	.1			.2	3.3	930
18-20	.1	3.2				3.2				.6	3.9	930
21-23	.1	3.2				3.2	.1			.6	4.0	930
ALL HOURS	.2	3.1			.0	3.2	.2	.1		.3	3.7	7440

MONTH: APR

00-02		.4				.4	.6				1.0	900
03-05	.1	.7				.7	.7				1.3	900
06-08	.2	1.1				1.1	.4				1.6	900
09-11		1.1				1.1					1.1	900
12-14	.3	.8				.8				.4	1.2	900
15-17	.3	1.1				1.1				.9	2.0	900
18-20	.2	2.0				2.0				.7	2.7	900
21-23	.2	1.4				1.4	.1			.1	1.7	900
ALL HOURS	.2	1.1				1.1	.2			.3	1.6	7200

A - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIR	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.1	.2				.2				.2	.4	930
03-05	.3	.5				.5					.5	930
06-08	.1	.4				.4					.4	930
09-11												930
12-14		.1				.1					.1	930
15-17		.1				.1				.2	.3	930
18-20	1.7	1.5				1.5				.8	2.3	930
21-23	.3	1.0				1.0				.4	1.4	930
ALL HOURS	.3	.5				.5				.2	.7	7440

MONTH: JUN

00-02	.3	.4				.4				.3	.8	900
03-05		.6				.6				.2	.8	900
06-08		.4				.4					.4	900
09-11		.6				.6					.6	900
12-14												900
15-17	.1	.1				.1				.1	.2	900
18-20	.4	.4				.4				.8	1.2	900
21-23	.9	.8				.8		.1		.6	1.4	900
ALL HOURS	.2	.4				.4		.0		.3	.7	7200

A - 2 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL

HOURS (LST)	TSMs	LIQUID PRECIP	FREZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	2.5	4.5				4.5	.1			1.3	5.9	930
03-05	1.5	3.2				3.2				.4	3.7	930
06-08	1.0	2.3				2.3					2.3	930
09-11	.4	1.2				1.2					1.2	930
12-14	.1	.6				.6					.6	930
15-17	.3	.6				.6					.6	930
18-20	3.1	2.8				2.8				2.0	4.8	930
21-23	4.6	4.3				4.3				1.7	6.0	930
ALL HOURS	1.7	2.4				2.4	.0			.7	3.1	7440

MONTH: AUG

00-02	2.6	4.0				4.0				.5	4.5	930
03-05	1.5	2.7				2.7	.1			.1	2.9	930
06-08	.2	1.8				1.8	.1				1.9	930
09-11	.2	1.3				1.3	.2				1.5	930
12-14	.1	.8				.8		.1		.1	1.0	930
15-17	.9	.9				.9				.3	1.2	930
18-20	2.9	1.8				1.8				1.2	3.0	930
21-23	6.1	4.7				4.7				2.8	7.5	930
ALL HOURS	1.8	2.2				2.2	.1	.0		.6	2.9	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	1.0	1.2				1.2					1.2	900
03-05	1.9	2.0				2.0				.1	2.1	900
06-08	1.7	2.0				2.0					2.0	900
09-11	.3	1.8				1.8		.2		.1	2.1	900
12-14	.2	1.2				1.2		.2		.1	1.6	900
15-17	.6	1.4				1.4				.7	2.1	900
18-20	1.4	2.2				2.2				.7	2.9	900
21-23	1.8	1.9				1.9				.7	2.6	900
ALL HOURS	1.1	1.7				1.7		.1		.3	2.1	7200

MONTH: OCT

00-02	.6	.9				.9					.9	930
03-05	.2	1.3				1.3	.1				1.4	930
06-08	.6	1.8				1.8	.1				1.9	930
09-11	.9	1.4				1.4					1.4	930
12-14	.3	1.6				1.6					1.6	930
15-17	1.0	2.3				2.3				.1	2.4	930
18-20	.8	1.3				1.3					1.3	930
21-23	.8	1.2				1.2					1.2	930
ALL HOURS	.6	1.5				1.5	.0			.0	1.5	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.2	2.9				2.9	.3			.1	3.3	900
03-05	.3	3.0				3.0	.8				3.8	900
06-08	.1	2.0				2.0	1.0			.1	3.1	900
09-11		1.7				1.7	.6			.1	2.3	900
12-14	.1	1.9			.1	2.0	.2	.6		.2	3.0	900
15-17	.1	2.3				2.3	.2	.4		.2	3.2	900
18-20	.3	3.7				3.7	.2			.1	4.0	900
21-23		3.4				3.4	.7				4.1	900
ALL HOURS	.2	2.6			.0	2.6	.5	.1		.1	3.4	7200

MONTH: DEC

00-02	.1	2.9		.1		3.0	2.9	.5			6.5	930
03-05		3.0		.1		3.1	2.9				6.0	930
06-08	.2	5.3		.2		5.5	4.2	.3			10.0	930
09-11	.1	4.6		.1		4.7	3.7	1.0		.1	9.5	930
12-14	.2	4.3				4.3	3.3	3.2			10.9	930
15-17		3.2				3.2	1.9	3.4			8.6	930
18-20	.1	3.7		.3		4.0	2.2	.8			6.9	930
21-23	.1	2.6		.3		2.9	2.6	.3			5.8	930
ALL HOURS	.1	3.7		.1		3.8	3.0	1.2		.0	8.0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
HOURS: ALL

MONTH	TSDMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.1	2.6				2.6	2.8	1.4		.0	6.8	7440
FEB	.1	3.2		.1		3.3	1.1	.3		.0	4.7	6761
MAR	.2	3.1			.0	3.2	.2	.1		.3	3.7	7440
APR	.2	1.1				1.1	.2			.3	1.6	7200
MAY	.3	.5				.5				.2	.7	7440
JUN	.2	.4				.4		.0		.3	.7	7200
JUL	1.7	2.4				2.4	.0			.7	3.1	7440
AUG	1.8	2.2				2.2	.1	.0		.6	2.9	7440
SEP	1.1	1.7				1.7		.1		.3	2.1	7200
OCT	.6	1.5				1.5	.0			.0	1.5	7440
NOV	.2	2.6			.0	2.6	.5	.1		.1	3.4	7200
DEC	.1	3.7		.1		3.8	3.0	1.2		.0	8.0	7440
ANNUAL	.6	2.1		.0	.0	2.1	.7	.3		.2	3.3	87641

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

MONTH	TSMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	1.3	17.7		.2	.5	17.7	7.4	5.9		.1	23.3	1282
FEB	2.2	17.4		.4	.4	17.5	4.1	2.5		.4	20.0	1164
MAR	2.7	18.2		.1	.6	18.2	2.3	1.1		.5	19.5	1228
APR	1.9	11.5		.1	.2	11.5	.4	.7		1.0	12.8	1221
MAY	3.2	7.4			.2	7.4	.2	.5		.6	8.1	1251
JUN	3.7	6.5				6.5		.6		1.3	7.5	1233
JUL	20.0	27.3			.2	27.3	.2	.8		5.8	30.3	1300
AUG	23.6	29.5			.2	29.6	.6	.5		5.8	31.5	1294
SEP	10.9	15.4			.2	15.4	.5	.5		1.8	16.3	1242
OCT	4.4	12.6			.4	12.6	1.0	1.0		.6	13.4	1257
NOV	2.0	13.6			.1	13.6	3.2	3.0		.3	16.2	1225
DEC	1.3	17.4		.6	.2	17.5	7.0	6.7			23.9	1262
ANNUAL	6.6	16.3		.1	.3	16.3	2.2	2.0		1.5	18.7	14959

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02	.1	.5	.2		.1	.3	2.5	2.6	1.0	.6	.2	.1
03-05	.1		.3	.1	.3		1.5	1.5	1.9	.2	.3	
06-08			.2	.2	.1		1.0	.2	1.7	.6	.1	.2
09-11	.1	.1	.1				.4	.2	.3	.9		.1
12-14			.2	.3			.1	.1	.2	.3	.1	.2
15-17	.2	.1	.3	.3		.1	.3	.9	.6	1.0	.1	
18-20	.1	.1	.1	.2	1.7	.4	3.1	2.9	1.4	.8	.3	.1
21-23		.2	.1	.2	.3	.9	4.6	6.1	1.8	.8		.1
ALL HOURS	.1	.1	.2	.2	.3	.2	1.7	1.8	1.1	.6	.2	.1
TOTAL OBS	7440	6761	7440	7200	7440	7200	7440	7440	7200	7440	7200	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	331 - 030	031 - 120	121 - 180	181 - 240	241 - 330	NO OF OBS
TSDMS			33.3			16.7	50.0	6
LIQUID PRECIP	16.6		21.4	15.5	7.5	19.3	19.8	187
FREEZING PRECIP								
FROZEN PRECIP								
FOG	35.6		29.8	7.3	4.9	8.8	13.7	205
FOG WITH VIS GE 1/2 MILES	34.2		29.5	7.3	5.2	9.3	14.5	193
TOTAL OBS	1496	0	3009	850	439	782	864	7440

MONTH: FEB HOURS: ALL

TSDMS			33.3	22.2	33.3		11.1	9
LIQUID PRECIP	10.8		30.7	14.6	13.7	17.5	12.7	212
FREEZING PRECIP								
FROZEN PRECIP			40.0		20.0		40.0	5
FOG	21.3		29.3	17.3	5.3	16.0	10.7	75
FOG WITH VIS GE 1/2 MILES	21.3		29.3	17.3	5.3	16.0	10.7	75
TOTAL OBS	1152	0	2491	871	437	888	922	6761

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	331 - 030	031 - 120	121 - 180	181 - 240	241 - 330	NO OF OBS
TOTALS	6.3		25.0	12.5	12.5	18.8	25.0	16
LIQUID PRECIP	15.2		15.6	17.4	13.4	20.5	17.9	224
FREEZING PRECIP								
FROZEN PRECIP								
FOG	28.6		7.1	35.7	14.3	14.3		14
FOG WITH VIS GE 1/2 MILES	28.6		7.1	35.7	14.3	14.3		14
TOTAL OBS	1421	0	2052	758	513	1514	1182	7440

MONTH: APR HOURS: ALL

TOTALS	15.4		15.4	15.4	15.4	7.7	30.8	13
LIQUID PRECIP	4.3		15.7	18.6	20.0	15.7	25.7	70
FREEZING PRECIP								
FROZEN PRECIP								
FOG	56.3		6.3	6.3		6.3	25.0	16
FOG WITH VIS GE 1/2 MILES	56.3		6.3	6.3		6.3	25.0	16
TOTAL OBS	1046	0	1541	764	576	2234	1039	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	331 - 030	031 - 120	121 - 180	181 - 240	241 - 330	NO OF OBS
TSTMS			20.8	12.5	12.5	16.7	37.5	24
LIQUID PRECIP	4.3		8.7	39.1	8.7	17.4	21.7	23
FREEZING PRECIP								
FROZEN PRECIP								
FOG								
FOG WITH VIS GE 1/2 MILES								
TOTAL OBS	900	0	1070	690	708	2980	1092	7440

MONTH: JUN HOURS: ALL

TSTMS			37.5	18.8	12.5	12.5	18.8	16
LIQUID PRECIP	12.5		25.0	37.5	8.3	4.2	12.5	24
FREEZING PRECIP								
FROZEN PRECIP								
FOG								
FOG WITH VIS GE 1/2 MILES								
TOTAL OBS	984	0	863	560	710	3014	1069	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	331 - 030	031 - 120	121 - 180	181 - 240	241 - 330	NO OF OBS
TDMS	7.9		17.5	27.8	14.3	15.9	16.7	126
LIQUID PRECIP	19.0		20.7	24.1	12.1	16.4	7.8	116
FREZZING PRECIP								
FROZEN PRECIP								
FOG	100.0							1
FOG WITH VIS GE 1/2 MILES	100.0							1
TOTAL OBS	1380	0	849	730	898	2751	832	7440

MONTH: AUG HOURS: ALL

TDMS	4.4		16.3	31.1	11.1	19.3	17.8	135
LIQUID PRECIP	20.4		22.4	24.5	11.2	11.2	10.2	98
FREZZING PRECIP								
FROZEN PRECIP								
FOG	25.0			50.0	25.0			4
FOG WITH VIS GE 1/2 MILES	25.0			50.0	25.0			4
TOTAL OBS	1282	0	1243	814	1055	2141	905	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	331 - 030	031 - 120	121 - 180	181 - 240	241 - 330	NO OF OBS
TSIMS	5.0		17.5	25.0	12.5	13.8	26.3	80
LIQUID PRECIP	14.3		30.0	17.1	11.4	14.3	12.9	70
FREEZING PRECIP								
FROZEN PRECIP								
FOG								
FOG WITH VIS GE 1/2 MILES								
TOTAL OBS	1693	0	1546	871	734	1502	854	7200

MONTH: OCT HOURS: ALL

TSIMS	10.4		27.1	27.1	6.3	12.5	16.7	48
LIQUID PRECIP	10.8		21.6	23.0	8.1	17.6	18.9	74
FREEZING PRECIP								
FROZEN PRECIP								
FOG			100.0					2
FOG WITH VIS GE 1/2 MILES			100.0					2
TOTAL OBS	1924	0	2319	896	593	916	792	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	331 - 030	031 - 120	121 - 180	181 - 240	241 - 330	NO OF OBS
TSRMS	8.3		25.0	25.0	16.7	16.7	8.3	12
LIQUID PRECIP	21.5		13.4	23.1	12.4	12.9	16.7	186
FREEZING PRECIP								
FROZEN PRECIP								
FOG	27.8		19.4	27.8	11.1	5.6	8.3	36
FOG WITH VIS GE 1/2 MILES	26.5		17.6	29.4	11.8	5.9	8.8	34
TOTAL OBS	1625	0	2494	935	448	867	831	7200

MONTH: DEC HOURS: ALL

TSRMS			25.0	12.5		37.5	25.0	8
LIQUID PRECIP	19.1		25.8	19.9	5.6	13.5	16.1	267
FREEZING PRECIP								
FROZEN PRECIP	18.2		72.7		9.1			11
FOG	32.1		28.0	8.7	6.0	12.4	12.8	218
FOG WITH VIS GE 1/2 MILES	32.2		27.6	8.9	6.1	12.6	12.6	214
TOTAL OBS	2011	0	2762	734	386	739	808	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	331 - 030	031 - 120	121 - 180	181 - 240	241 - 330	NO OF OBS
TSTMS	5.9		19.9	25.6	12.2	16.0	20.5	493
LIQUID PRECIP	15.9		21.7	19.8	10.8	16.0	15.9	1551
FREEZING PRECIP								
FROZEN PRECIP	12.7		62.5		12.5		12.5	16
FOG	32.2		27.1	11.4	6.0	10.9	12.4	571
FOG WITH VIS GE 1/2 MILES	31.6		26.8	11.6	6.1	11.2	12.7	553
TOTAL OBS	16914	0	22239	9473	7497	20328	11190	87641

A - 5 - 7

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTT	BBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	BBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBB
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	BBBBBBBB
PP	AAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBB

PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN YEAR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	82.5	82.9	82.7	88.3	93.3	93.8	73.3	70.8	85.0	87.4	86.6	83.4	84.1
TRACE	5.7	5.2	5.4	6.1	3.9	4.7	14.9	14.6	7.0	5.0	4.7	5.7	7.0
.01	1.6	1.2	1.4	.7	.1	.3	1.4	2.2	1.0	.8	1.0	.7	1.0
.02-.05	2.6	2.6	2.6	1.9	1.3	.3	3.3	3.6	1.3	1.7	1.3	2.3	2.1
.06-.10	1.6	2.2	2.0	.9	.5	.2	2.0	2.3	.9	1.3	1.0	1.5	1.4
.11-.25	2.5	2.6	2.9	1.0	.6	.2	2.2	2.6	1.9	1.3	2.2	2.9	1.9
.26-.50	1.7	1.9	1.9	.7	.2	.3	1.6	1.7	1.2	1.3	2.2	1.7	1.4
.51-1.00	1.7	.9	1.2	.4	.1	.1	1.3	1.4	1.0	.7	.7	1.1	.9
1.01-2.50	.1	.5	.1		.1	.1	.1	.8	.5	.5	.1	.6	.3
2.51-5.00								.1	.1				.0
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	11.8	11.9	11.9	5.6	2.8	1.5	11.8	14.6	8.0	7.6	8.7	10.8	8.9
TOTAL NO. OF OBSERVATIONS	1393	1256	1332	1334	1395	1350	1395	1395	1350	1395	1335	1395	16325

B - 2 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41												.95	.95*
42	.49	.45	.38	1.12	.00	.00	.92	.28	.02	.31	TRACE	.25	4.22
43	1.32	.03	.68	.03	TRACE	TRACE	.41	2.82	1.03	.23	.00	1.73	8.28
44	.42	2.09	.63	.16	.57	.00	2.56	.42	.58	.23	1.59	.67	9.92
45	1.72	.11	.83	TRACE	.00	.00	1.14	.04	TRACE	1.05	.00	.41	5.30
46	.72	.02*		.05	.00	.00	1.26	.06	3.57	.10	.34*		6.12*
51				.24*	.26	.00	1.10	8.40	.13	1.55	.78	.83	13.29*
52	.58	.15	1.79	1.64	.00	.10	.76	.56	.21	.00	1.86	.45	8.10
53	.18	.53	.26	TRACE	.08	TRACE	.62	.29	.00	TRACE	.12	.10	2.18
54	2.85	.50	1.32	.00	.08	.30	.25	.20	1.78	.10	.00	TRACE	7.38
55	2.52	TRACE	.00	TRACE	TRACE	.78	.86	2.40	.00	.09	.20	.06	6.91
56	.26	.58	.00	TRACE	TRACE	.01	.11	1.05	.01	1.06	.00	.02	3.10
57	1.83	.43	.62	.58	.12	.12	.44	.22	.00	2.10	.63	.07	7.16
58	.02	1.61	.88	.53	.04	TRACE	.05	.37	1.88	.26	.37	.00	6.01
59	.06	1.70	.00	.06	TRACE	.06	1.19	1.17	.23	1.28	.53	2.91	9.19
60	.57	.16	.21	TRACE	.03	TRACE	.08	.82	.02	.98	.07	.05	2.99
61	.25	TRACE	.50	TRACE	TRACE	TRACE	1.04	1.46	TRACE	.05	.01	1.69	5.00
62	1.18	.65	.59	TRACE	.00	.01	.09	.12	.31	TRACE	.36	.32	3.63
63	.28	1.19	.33	.20	TRACE	.00	TRACE	2.64	.43	1.21	1.03	TRACE	7.31
64	.20	.22	.45	.08	TRACE	TRACE	1.16	1.86	.75	.45	.09	.91	6.17
65	1.44	.93	1.66	1.77	.35	TRACE	.88	.64	1.21	TRACE	.66	4.18	13.72
66	.43	1.31	.23	TRACE	TRACE	TRACE	.83	2.40	3.34	.11	.28	.44	9.37
67	.36	TRACE	.22	.17	.02	.34	1.15	.38	1.07	.32	1.14	4.49	9.66
68	.08	1.30	1.15	TRACE	.00	.04	.56	.17	.00	.30	.82	.32	4.74
69	1.37	.49	.51	.19	.29	.00	.09	.82	.53	TRACE	1.15	.41	5.85
70	.05	.22	2.39	TRACE	.00	.00	.04	1.76	4.01	.02	.06	.73	9.28
71	.16	.35	TRACE	.01	.06	.00	.76	1.29	.79	.26	TRACE	.59	4.27
72	.00	TRACE	.00	TRACE	.07	.15	1.49	.38	.10	3.56	.77	1.74	8.26
73	.12	1.86	1.13	.04	.22	TRACE	.07	.02	.00	.00	.69	.00	4.15
74	1.49	.00	.99	TRACE	.00	.00	.53	.26	.95	2.12	.41	1.14	7.89
75	.10	.22	.56	.35	.00	.00	.34	.15	.89	.51	.22	.72	4.06

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	TRACE	1.06	.11	.67	.75	TRACE	1.62	TRACE	1.45	.60	.14	.84	7.24
77	.49	.07	.18	.06	.17	.37	.03	TRACE	1.16	.72	TRACE	.31	3.56
78	2.71	3.64	3.79	.44	.30	TRACE	.97	1.27	.10	.58	2.13	2.40	18.33
79	3.18	.15	2.01	.02	1.87	1.09	.24	.87	.03	.04	.40	.13	10.03
80	1.63	3.02	1.14	.73	TRACE	.12	.09	1.01	.75	.09	.00	.09	8.67
81	.82	.89	.70	.20	TRACE	TRACE	.28	.36	1.83	.46	.75	.00	6.29
82	.66	.95	1.72	TRACE	.24	.00	.51	2.56	.24	.01	3.45	1.42	11.76
83	.63	1.22	2.06	.20	.00	.00	.42	2.06	3.44	.11	.53	1.19	11.86
84	.23	.00	.00	.32	TRACE	.15	2.76	1.62	3.10	.35	1.03	2.94	12.50
85	.86	.79	.54	.06	.00	.00	1.07	.57	.44	.77	1.82	.88	7.80
86	.03	.80	1.03	.04	.02	.01	.45	.38	.20	.74	.09	.66	4.45
87	1.44	1.36	.11	.02	.02	TRACE	.03	.70	.12	1.71	.60	1.66	7.77
88	1.46	.15	TRACE	1.26	.00	TRACE	.15	1.34	TRACE	1.10	.65	.07	6.18
89	1.26	.00	1.04	.00	.04	.00	.18	.51	.07	.88	.01	.11	4.10
90	.73	.49	.32	.08	.10	.50	.52	3.67	3.14	1.40	.26	.36	11.57
91	1.00	1.32											2.32*

B - 2 - 2B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.....
LEAST	.00	.00	.00	.00	.00	.00	TRACE	TRACE	.00	.00	.00	.00	2.18
GREATEST	3.18	3.64	3.79	1.77	1.87	1.09	2.76	8.40	4.01	3.56	3.45	4.49	18.33
MEAN	.85	.75	.77	.25	.13	.09	.67	1.12	.89	.62	.58	.87	7.35
MEDIAN	.58	.50	.56	.06	TRACE	TRACE	.52	.64	.43	.32	.39	.45	7.24
SD	.825	.812	.788	.435	.309	.218	.624	1.430	1.147	.734	.706	1.067	3.296
TOTAL OBS	1393	1256	1332	1334	1395	1350	1395	1395	1350	1395	1335	1395	16325
.....

THE GREATEST VALUE OF 8.40 OCCURRED ON 08/51

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 2 - 2C

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41												.44	.44*
42	.40	.28	.25	.80	.00	.00	.36	.19	.02	.16	TRACE	.24	.80
43	.90	.03	.66	.02	TRACE	TRACE	.20	1.05	.65	.22	.00	.80	1.05
44	.28	.84	.30	.06	.57	.00	1.90	.34	.38	.16	.35	.38	1.90
45	.81	.09	.35	TRACE	.00	.00	.42	.04	TRACE	.84	.00	.16	.84
46	.32	.02*		.04	.00	.00	.62	.04	1.88	.10	.34*		1.88*
51				.18*	.24	.00	.98	2.87	.12	1.44	.74	.35	2.87*
52	.48	.15	.44	.69	.00	.07	.28	.23	.21	.00	.72	.28	.72
53	.14	.30	.26	TRACE	.08	TRACE	.56	.25	.00	TRACE	.12	.10	.56
54	2.17	.50	.79	.00	.08	.30	.24	.18	1.55	.08	.00	TRACE	2.17
55	.88	TRACE	.00	TRACE	TRACE	.78	.43	1.05	.00	.09	.16	.06	1.05
56	.15	.34	.00	TRACE	TRACE	.01	.09	.85	.01	1.01	.00	.02	1.01
57	.62	.19	.54	.58	.07	.12	.35	.08	.00	1.06	.44	.07	1.06
58	.02	1.49	.21	.40	.04	TRACE	.04	.14	1.81	.17	.36	.00	1.81
59	.04	.90	.00	.04	TRACE	.06	.93	.64	.12	.58	.38	.79	.93
60	.36	.07	.19	TRACE	.03	TRACE	.08	.65	.02	.38	.07	.05	.65
61	.14	TRACE	.16	TRACE	TRACE	TRACE	.70	.56	TRACE	.05	.01	1.25	1.25
62	.56	.15	.30	TRACE	.00	.01	.03	.07	.19	TRACE	.22	.29	.56
63	.26	1.02	.31	.14	TRACE	.00	TRACE	.66	.36	.91	.69	TRACE	1.02
64	.19	.22	.21	.08	TRACE	TRACE	.55	.90	.43	.38	.06	.75	.90
65	.81	.84	.83	.78	.35	TRACE	.27	.42	.75	TRACE	.32	1.55	1.55
66	.30	.88	.20	TRACE	TRACE	TRACE	.56	.58	1.83	.05	.27	.29	1.83
67	.34	TRACE	.22	.15	.02	.33	.64	.25	.72	.32	.48	1.66	1.66
68	.07	.63	.41	TRACE	.00	.04	.44	.09	.00	.29	.46	.26	.63
69	.91	.19	.33	.19	.21	.00	.06	.49	.26	TRACE	.47	.37	.91
70	.04	.19	.71	TRACE	.00	.00	.03	.67	3.47	.02	.04	.31	3.47
71	.16	.19	TRACE	.01	.06	.00	.35	.38	.79	.08	TRACE	.14	.79
72	.00	TRACE	.00	TRACE	.05	.09	.70	.26	.07	1.38	.38	1.20	1.38
73	.06	.94	.32	.04	.22	TRACE	.04	.02	.00	.00	.34	.00	.94
74	.84	.00	.77	TRACE	.00	.00	.25	.21	.57	1.39	.41	.62	1.39
75	.05	.13	.42	.22	.00	.00	.14	.13	.49	.36	.22	.32	.49

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	TRACE	.63	.11	.33	.23	TRACE	.59	TRACE	.52	.47	.12	.77	.77
77	.21	.07	.15	.06	.13	.37	.03	TRACE	.52	.42	TRACE	.24	.52
78	.97	1.14	2.23	.22	.30	TRACE	.62	.60	.10	.47	.81	1.33	2.23
79	1.21	.10	.96	.02	1.43	1.09	.17	.67	.03	.04	.40	.13	1.43
80	.69	1.04	.44	.35	TRACE	.12	.06	.60	.62	.05	.00	.05	1.04
81	.56	.48	.54	.15	TRACE	TRACE	.13	.12	1.83	.46	.31	.00	1.83
82	.26	.35	.92	TRACE	.08	.00	.36	1.41	.13	.01	1.01	.44	1.41
83	.40	.47	.97	.09	.00	.00	.10	1.12	2.85	.11	.34	.52	2.85
84	.23	.00	.00	.28	TRACE	.15	.67	.77	1.95	.35	.57	.84	1.95
85	.56	.63	.35	.05	.00	.00	.64	.56	.28	.57	.90	.88	.90
86	.03	.37	.36	.04	.02	.01	.13	.27	.15	.42	.09	.27	.42
87	.64	1.21	.08	.02	.02	TRACE	.03	.22	.10	.95	.49	1.58	1.58
88	.93	.11	TRACE	.48	.00	TRACE	.15	1.02	TRACE	.91	.57	.06	1.02
89	.99	.00	.93	.00	.04	.00	.15	.50	.07	.51	.01	.06	.99
90	.46	.38	.17	.08	.10	.50	.26	1.60	1.20	1.40	.20	.26	1.60
91	.70	1.32											1.32*
GREATEST	2.17	1.49	2.23	.80	1.43	1.09	1.90	2.87	3.47	1.44	1.01	1.66	3.47
TOTAL OBS	1393	1256	1332	1334	1395	1350	1395	1395	1350	1395	1335	1395	16325

THE GREATEST VALUE OF 3.47 OCCURRED ON 09/05/70

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE APB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-4611,5104-9102
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	99.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4	99.9
TRACE	.2	.4	.1	.1								.6	.1
0.1-0.4													
0.5-1.4													
1.5-2.4													
2.5-3.4													
3.5-4.4													
4.5-6.4													
6.5-10.4													
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS													
TOTAL NO. OF OBSERVATIONS	1271	1144	1208	1214	1271	1230	1271	1271	1230	1271	1215	1240	14836

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46	.0	.0*		.0	.0	.0	.0	.0	.0	.0	.0*		.0*
51				.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0*
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
83	.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
91	.0	.0											.0*
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GREATEST	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
MEAN	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
MEDIAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS	1271	1144	1208	1214	1271	1230	1271	1271	1230	1271	1215	1240	14836

THE GREATEST VALUE OF TRACE OCCURRED ON 01/62

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46	.0	.0*		.0	.0	.0	.0	.0	.0	.0	.0*		.0*
51				.0*	.0	.0	.0	.0	.0	.0	.0	.0	.0*
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
83	.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
89	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
90	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
91	.0	.0											.0*

GREATEST	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
----------	-------	-------	-------	-------	----	----	----	----	----	----	----	-------	-------

TOTAL OBS	1271	1144	1208	1214	1271	1230	1271	1271	1230	1271	1215	1240	14836
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THE GREATEST VALUE OF TRACE OCCURRED ON 01/13/62

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TRACE													
1													
2													
3													
4-6													
7-12													
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS													
TOTAL NO. OF OBSERVATIONS	1395	1257	1332	1334	1395	1350	1395	1395	1350	1395	1335	1395	16328

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41												0	0*
42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0*		0	0	0	0	0	0	0	0*		0*
51				0*	0	0	0	0	0	0	0	0	0*
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0	0	0	0
89	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0	0
91	0	0											0*
.....													
GREATEST	0	0*	0	0*	0	0	0	0	0	0	0*	0	0*
.....													
TOTAL OBS	1395	1257	1332	1334	1395	1350	1395	1395	1350	1395	1335	1395	16328

THE GREATEST VALUE OF 0 OCCURRED ON 12/01/41

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ

PERIOD OF RECORD: 4112-4611,5104-9102
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
61 - 62	JAN 13			JAN 13		
63 - 64	FEB 16			FEB 16		
67 - 68	DEC 13			DEC 20		
68 - 69	DEC 20			DEC 21		
74 - 75	DEC 25			DEC 25		
75 - 76	MAR 03			MAR 03		
81 - 82	JAN 21			JAN 21		
82 - 83	APR 12			APR 12		
84 - 85	FEB 02			FEB 03		
85 - 86	DEC 11			DEC 11		
89 - 90	FEB 14			FEB 19		
90 - 91	DEC 21			DEC 22		

MEDIAN-DATE JAN 17

JAN 17

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	CCCCCC
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	CCCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	CC
PP	AAAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCCC
PP	AA AA	RR RR	TT	CCCCCC

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-4605,5901-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
46	NNE 30	NW *23		SE 28	SW 35								SW *35
59	WNW*31	SW 40	NW 32	N 30	WSW 30	S 39	NNE 69	SW 35	S 48	NNE 30	NE 30	SSW 34	NNE*69
60	NW 28	WSW 32	N 30	SW 36	SW 30	W 36	S 38	SE 60	E 30	S 38	WSW*34	SW 29	SE *60
61	NNE 25	*	W *31	SW 39	W *46	N *46	E *40	SE 44	NNE 30	W 27	ESE 36	SSW*19	W *46
62	NNW 28	SW 39	SSW 35	SW *34	SW 27	ENE 31	SSE 40	SW *33	NNE*50	SW 24	W 25	SW 28	NNE*50
63	NNE 35	WNW 30	W 38	W 37	SSW 28	SW 28	SW 29	ESE*49	SE 45	WNW*32	WNW 28	NNE 25	ESE*49
64	N 32	NW 32	SW 31	SSW 30	WNW 32	SSW 34	NNW 42	NW 42	SE 29	E 25	SW 26	NNE 26	NNW 42
65	WSW 34	WNW 37	WSW 31	W 34	SW 31	WSW 34	E 32	SSE 32	SE 34	ENE 25	W 25	S 23	WNW 37
66	N 33	NNE 29	W 37	SW 38	SW 32	SSW 32	S 33	N 50	WSW 28	W 30	SSW 36	W 31	N 50
67	N 32	E 37	NW 27	SW 35	ESE 40	S 49	NNE 40	N 62	SE 35	SSW 40	SW 34	W 33	N 62
68	N 25	NNE 23	NNW 31	W 29	SSW 33	WSW 35	36/ 52	32/ 38	23/ 33	29/ 33	36/ 33	28/ 41	36/ 52
69	30/ 22	21/ 37	31/ 49	21/ 33	34/ 37	23/ 31	07/ 41	03/ 46	33/ 48	22/ 29	36/ 30	30/ 27	31/ 49
70	03/ 29	30/ 29	20/ 33	25/ 37	02/ 27	26/ 30	07/ 37	04/ 49	13/*36	30/ 32	27/ 28	18/ 18	04/*49
71	28/ 26	32/ 38	32/*32	27/*32	05/ 33	24/ 24	24/ 40	35/ 39	13/ 33	16/ 30	03/ 21	22/ 2*	24/*40
72	03/ 22	03/ 31	22/ 33	21/ 33	21/ 37	21/ 39	03/ 48	02/ 50	14/ 34	12/ 37	24/ 40	25/ 35	02/ 50
73	26/ 37	18/ 37	22/ 37	23/ 42	12/ 40	04/ 36	03/ 42	07/ 45	22/ 28	35/ 25	22/ 23	08/ 23	07/ 45
74	01/*28	31/ 38	24/ 36	23/ 46	26/ 35	23/ 32	06/ 44	24/ 38	13/ 44	22/ 25	28/ 28	36/ 25	23/*46
75	01/ 35	28/ 44	27/ 37	13/ 33	20/ 39	21/ 31	04/ 38	35/ 41	02/ 43	28/ 37	19/ 40	17/ 25	28/ 44
76	10/ 26	24/ 34	24/ 39	25/ 47	17/ 45	16/ 46	03/ 36	02/ 42	14/ 42	03/ 31	16/ 30	04/ 29	25/ 47
77	23/ 25	31/ 35	31/ 41	19/ 40	22/ 30	04/ 39	03/ 37	08/ 42	27/ 40	25/ 24	02/ 24	01/ 28	08/ 42
78	28/ 32	31/ 28	17/ 25	31/ 29	21/ 31	33/ 39	13/ 39	02/ 52	11/ 23	05/ 36	20/ 32	22/ 26	02/ 52
79	02/ 30	22/ 21	27/ 32	28/ 30	17/ 32	36/ 31	04/ 36	13/ 32	05/ 36	29/ 26	24/ 27	22/ 23	04/ 36
80	30/ 35	21/ 32	21/ 45	27/ 30	28/ 32	12/ 32	15/ 40	09/ 34	04/ 38	25/ 32	31/ 19	01/ 18	21/ 45
81	23/ 23	08/ 36	27/ 37	27/ 35	22/ 33	02/ 32	21/ 34	27/ 34	36/ 23	20/ 27	28/ 24	27/ 21	27/ 37
82	32/ 41	02/ 19	23/ 29	20/ 37	13/ 38	26/ 30	04/ 44	12/ 41	34/ 30	03/ 30	25/ 51	31/ 36	25/ 51
83	25/ 42	30/ 25	28/ 29	20/ 30	30/ 34	22/ 31	16/ 53	05/ 48	03/ 40	25/ 19	26/ 26	21/ 21	16/ 53
84	03/ 21	30/ 30	25/ 39	23/ 43	03/ 35	01/ 36	04/ 45	12/ 55	02/ 30	24/ 28	22/ 23	21/ 21	12/ 55
85	24/ 30	02/ 24	32/ 35	27/ 32	23/ 28	19/ 22	07/ 41	21/ 35	25/ 36	19/ 32	23/ 30	07/ 16	07/ 41
86	35/ 28	25/ 28	21/ 50	30/ 37	05/ 41	06/ 43	03/ 39	05/ 34	21/ 24	24/ 43	30/ 29	36/ 21	21/ 50
87	21/ 42	27/ 33	25/ 44	23/ 35	13/ 36	12/ 29	13/ 40	12/ 30	22/ 35	26/ 67	21/ 36	23/ 19	26/ 67
88	25/ 38	21/ 28	36/ 46	18/ 27	28/ 42	03/ 44	09/ 44	30/ 48	08/ 28	19/ 26	25/ 35	30/ 33	30/ 48
89	30/ 32	20/ 36	29/ 35	22/ 28	22/ 35	20/ 27	22/ 34	19/ 45	10/ 28	16/ 29	03/ 29	35/ 31	19/ 45
90	25/ 30	22/ 35	22/ 34	26/ 34	24/ 27	27/ 39	05/ 38	10/ 62	03/ 38	12/ 25	21/ 34	02/ 26	10/ 62

C - 2 - 1A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-4605, 5901-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
91	07/ 33	19/ 31											07/*33

GREATEST	25/ 42	28/ 44	21/ 50	25/ 47	W	46	S	49	NNE 69	N	62	NNE 50	26/ 67	25/ 51	28/ 41	NNE 69
TOTAL OBS	1036	914	962	971	1014	944	983	977	946	978	950	976	11651			

THE PEAK WIND OF 69 FROM NNE OCCURRED ON 07/17/59

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

C - 2 - 1B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4601-4605,5901-9102
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	1.3	36.0	36.4	12.3	8.0	3.4	1.7	.7	.3	.0	.0	12.6	10.0	1036
FEB	.9	21.9	36.5	18.8	11.1	6.7	2.3	1.6	.2	.0	.0	14.8	13.0	914
MAR	.6	13.7	31.2	20.7	16.0	10.5	5.0	1.6	.6	.1	.0	17.0	15.0	962
APR	.3	4.8	26.7	27.5	20.6	12.8	5.0	1.6	.6	.0	.0	18.6	18.0	971
MAY	.1	2.0	17.5	33.3	27.6	13.3	3.9	1.6	.7	.0	.0	19.7	19.0	1014
JUN	.1	1.9	16.8	38.2	26.5	9.9	4.4	1.5	.6	.0	.0	19.4	19.0	944
JUL	.0	1.5	14.9	31.0	25.9	12.3	6.0	5.4	2.6	.2	.1	21.3	20.0	983
AUG	.4	4.2	28.2	26.6	17.2	8.8	6.9	3.8	3.1	.8	.0	19.7	17.0	977
SEP	.6	11.8	35.3	25.1	14.0	7.6	2.7	1.6	1.2	.1	.0	16.4	15.0	946
OCT	1.4	23.5	41.7	17.4	9.3	4.4	1.4	.5	.2	.0	.1	13.6	12.0	978
NOV	.8	33.9	37.2	15.6	6.6	3.7	1.5	.4	.2	.1	.0	12.7	11.0	950
DEC	2.7	37.0	35.3	13.1	7.3	3.6	.7	.2	.1	.0	.0	11.9	10.0	976
ANNUAL	.8	16.1	29.8	23.3	15.9	8.1	3.5	1.7	.9	.1	.0	16.5	15.0	11651

C - 3 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	19.5	21.5	.9									41.8	4.8	5.0
020-040	10.1	5.1	.8									15.9	4.5	4.0
050-070	1.8	.3	.1									2.3	3.5	3.0
(E) 080-100	.9	.4										1.3	3.5	3.0
110-130	1.0	.1										1.1	2.9	3.0
140-160	.6	.2										.9	3.5	4.0
(S) 170-190	.5	.2	.1									.9	5.0	3.5
200-220	.6	1.0	.4	.1								2.2	6.9	6.0
230-250	.8	.4	.1									1.3	4.7	4.0
(W) 260-280	.8	.2										1.0	3.4	4.0
290-310	2.5	.9										3.3	3.4	3.0
320-340	9.0	4.9	.5									14.5	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											13.7	////////////////////////////////	
TOTALS	48.1	35.2	2.9	.1								100.0	3.9	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	24.4	16.5	1.3		.1							42.3	4.4	4.0
020-040	9.9	4.9	.4	.1								15.4	4.2	4.0
050-070	2.5	.1										2.6	2.8	3.0
(E) 080-100	.5											.5	2.6	3.0
110-130	.3	.3	.1									.8	5.4	5.0
140-160	.8	.2										1.0	2.4	2.0
(S) 170-190	.4	.2										.6	3.8	3.5
200-220	1.3	1.4	.2			.1						3.0	5.9	5.0
230-250	.5	.3										.9	4.8	3.5
(W) 260-280	.4	.4										.9	4.1	4.0
290-310	.8	.5										1.3	4.3	4.0
320-340	8.8	5.3										14.1	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											16.8	////////	
TOTALS	50.6	30.1	2.0	.1	.1	.1						100.0	3.6	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	26.5	12.2	.5	.1								39.2	4.0	4.0
020-040	8.1	2.8	.5	.4								11.8	4.5	4.0
050-070	2.3	.6										2.9	3.6	4.0
(E) 080-100	1.0	.1										1.1	2.7	2.0
110-130	.3											.3	3.0	3.0
140-160	.5	.2										.8	4.0	4.0
(S) 170-190	1.2	.3										1.5	3.6	3.5
200-220	.8	.9	.1									1.7	5.6	5.0
230-250	.4	.3	.2									1.0	5.3	5.0
(W) 260-280	1.1	.4	.1									1.6	4.3	3.0
290-310	1.9	.6										2.6	3.1	3.0
320-340	11.3	6.1	.2									17.6	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											17.8	////////////////////////////////	
TOTALS	55.4	24.5	1.6	.5								100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	17.2	5.2	.6	.2								23.2	3.8	4.0
020-040	11.5	4.3	2.4	.6	.2	.1						19.1	5.3	4.0
050-070	4.5	1.7	.1									6.3	3.7	3.0
(E) 080-100	4.5	.6										5.2	2.9	3.0
110-130	1.2	.6										1.8	3.7	3.0
140-160	1.9	.8										2.7	3.4	3.0
(S) 170-190	1.4	.6	.1									2.2	4.3	4.0
200-220	.9	1.4	.4	.2								2.9	6.7	6.0
230-250	1.9	.2										2.2	2.8	2.0
(W) 260-280	.6	.3	.1	.1								1.2	5.5	3.0
290-310	1.3	.2										1.5	3.1	2.5
320-340	6.0	1.4		.1								7.5	3.5	3.0
VARIABLE														
CALM	////////////////////////////////////											24.2	////////////////////////////////	
TOTALS	52.9	17.3	3.7	1.2	.2	.1						100.0	3.2	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASSEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	4.6	.3	.8	.2								5.9	4.6	3.0
020-040	4.0	2.3	1.4	.1	.1							7.8	5.7	4.0
050-070	5.9	3.1	.9	.2	.1							10.2	5.2	4.0
(E) 080-100	5.8	2.6	1.0	.2								9.6	4.7	4.0
110-130	6.3	2.3	.2	.1								8.9	3.8	3.0
140-160	5.7	1.0										6.7	3.1	3.0
(S) 170-190	5.8	2.6	.1									8.5	3.7	3.0
200-220	3.5	3.4	1.7	.4	.2							9.4	6.7	5.0
230-250	1.8	1.0	.6	.2								3.7	5.9	4.5
(W) 260-280	1.2	.3	.3									1.8	4.8	3.0
290-310	.6											.6	2.0	2.0
320-340	1.5	.6	.2		.1							2.5	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											24.4	////////////////////////////////	
TOTALS	46.7	19.5	7.2	1.4	.5							100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.3	1.0	.9	.1	.3	.1						4.6	6.7	5.0
020-040	2.3	1.6	.9	.3	.1							5.2	6.6	6.0
050-070	1.8	1.6	.1									3.5	4.8	4.0
(E) 080-100	3.7	2.6	.8									7.0	5.1	4.0
110-130	2.9	1.5	.2	.1								4.7	4.3	3.0
140-160	5.1	.8										5.8	2.7	2.0
(S) 170-190	9.0	4.0	.1									13.1	3.7	3.0
200-220	7.1	7.8	2.2	.1	.1							17.3	5.8	5.0
230-250	4.2	2.7	.9		.1							7.8	5.1	4.0
(W) 260-280	1.6	.8	.6	.1								3.1	5.9	4.0
290-310	1.2	.8	.6									2.6	5.9	5.0
320-340	1.3	.9	.5	.1								2.8	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											22.4	////////////////////////////////	
TOTALS	42.5	26.1	7.8	.8	.6	.1						100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	5.8	3.5	.3	.2								9.9	4.5	4.0
020-040	1.9	1.2	.5	.1								3.8	5.5	4.0
050-070	.9	1.1	.1									2.0	5.1	5.0
(E) 080-100	.5	.5										1.1	4.6	4.5
110-130	1.4	.1										1.5	2.9	3.0
140-160	2.0	.2										2.3	2.7	2.0
(S) 170-190	3.3	1.7										5.1	3.7	3.0
200-220	6.6	3.1	.5	.1	.1							10.4	4.6	4.0
230-250	5.6	2.7	.3	.1			.1					8.8	4.7	4.0
(W) 260-280	3.5	.9										4.4	3.1	3.0
290-310	7.0	2.9	.2	.2								10.3	4.1	4.0
320-340	8.0	4.9	.1		.2							13.2	4.4	4.0
VARIABLE														
CALM	////////////////////////////////////											27.2	////////////////////////////////	
TOTALS	46.5	22.8	2.0	.7	.3		.1					100.0	3.1	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	21.9	15.9	.9	.1	.1							38.9	4.5	4.0
020-040	5.9	5.4	1.0	.5								12.8	5.4	5.0
050-070	1.1	.5										1.6	3.5	3.0
(E) 080-100	.4	.4										.9	4.4	4.0
110-130	.8	.2	.1									1.1	3.9	3.0
140-160	.4	.4										.9	4.3	4.5
(S) 170-190	.9	.6										1.5	4.4	4.0
200-220	.6	.8	.4	.1								1.9	7.2	6.0
230-250	1.6	.8	.2	.1								2.7	4.8	3.0
(W) 260-280	1.1	.5										1.6	3.6	4.0
290-310	2.6	1.2										3.8	3.7	3.0
320-340	10.3	7.0	.6									18.0	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											14.4	////////////////////////////////	
TOTALS	47.6	33.7	3.2	.8	.1							100.0	3.9	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	15.3	9.5	.8	.1	.1	.0						25.7	4.4	4.0
020-040	6.7	3.4	1.0	.3	.1	.0						11.5	5.0	4.0
050-070	2.6	1.1	.2	.0	.0							3.9	4.3	4.0
(E) 080-100	2.2	.9	.2	.0								3.3	4.3	4.0
110-130	1.8	.6	.1	.0								2.5	3.8	3.0
140-160	2.1	.5										2.6	3.1	3.0
(S) 170-190	2.8	1.3	.1									4.2	3.8	3.0
200-220	2.7	2.5	.8	.1	.1	.0						6.1	5.9	5.0
230-250	2.1	1.0	.3	.1	.0		.0					3.5	4.9	4.0
(W) 260-280	1.3	.5	.1	.0								1.9	4.3	3.0
290-310	2.2	.9	.1	.0								3.3	3.9	3.0
320-340	7.0	3.9	.3	.0	.0							11.3	4.2	4.0
VARIABLE														
CALM	////////////////////											20.1	////	////
TOTALS	48.8	26.1	4.0	.6	.3							100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS												
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												% WIND WIND
(N) 350-010	8.7	1.4										10.1 3.7 4.0
020-040	5.8											5.8 3.3 3.5
050-070	1.4											1.4 2.0 2.0
(E) 080-100	2.9	1.4										4.3 2.7 1.0
110-130	1.4											1.4 3.0 3.0
140-160	2.9	1.4										4.3 3.7 4.0
(S) 170-190	2.9											2.9 3.0 3.0
200-220	1.4				1.4							2.9 12.0 12.0
230-250	2.9	1.4	1.4	1.4			1.4					8.7 12.2 9.0
(W) 260-280	4.3		2.9									7.2 5.4 2.0
290-310	4.3		1.4									5.8 3.8 2.0
320-340	4.3	1.4										5.8 3.3 3.0
VARIABLE												
CALM	////////////////////										39.1	////////////////
TOTALS	43.2	7.0	5.7	1.4	1.4		1.4					100.0 3.2 3.5

TOTAL NUMBER OF OBSERVATIONS 69

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 00-02

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	23.8	13.8	.5									38.1	4.3	4.0
020-040	7.0	4.8	.1	.4								12.3	4.6	4.0
050-070	1.2	.7										1.9	4.1	4.0
(E) 080-100	.7	.2	.4									1.3	5.9	4.0
110-130	.5	.2	.2									.9	6.0	5.0
140-160	.7	.5										1.2	4.2	4.0
(S) 170-190	.7	.2										.9	3.6	4.0
200-220	1.3	1.1	.2	.5								3.1	7.2	5.5
230-250	.6	.6	.5		.1							1.8	7.2	7.0
(W) 260-280	1.1	.8	.1	.1								2.1	5.4	4.5
290-310	2.6	1.2	.2									4.0	3.9	3.5
320-340	10.6	6.6	.2									17.5	4.3	4.0

VARIABLE														
CALM	////////////////////////////////////											14.9	//////////	
TOTALS	50.8	30.7	2.4	1.0	.1							100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	27.3	12.1	.5									39.8	4.0	4.0
020-040	8.7	5.4	.5	.2								14.9	4.6	4.0
050-070	2.1	.5										2.6	3.5	3.0
(E) 080-100	.7	.2										.9	3.5	3.5
110-130	.5	.1										.6	3.4	2.0
140-160	.5	.7	.2									1.4	5.8	5.5
(S) 170-190	.8	.5										1.3	4.3	4.0
200-220	.8	2.0	.9	.1								3.9	7.1	6.0
230-250	.5	.6	.1									1.2	5.4	5.0
(W) 260-280	.5	.1										.6	3.6	2.0
290-310	1.2	.7	.1									2.0	4.7	4.0
320-340	9.3	5.1	.6									15.0	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											15.7	////////////////////////////////	
TOTALS	52.9	28.0	2.9	.3								100.0	3.7	4.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65	
(W) 350-010	25.5	9.8	.2	.1								35.7	3.8	4.0	
020-040	9.0	3.7	.8									13.5	4.3	4.0	
050-070	1.7	.4										2.0	3.3	3.0	
(E) 080-100	.8	.1										.9	2.9	2.5	
110-130	.7	.1										.8	3.0	2.0	
140-160	.6	.2										.8	3.4	3.0	
(S) 170-190	.4	.2	.1									.7	5.2	5.0	
200-220	.8	1.5	.6									3.0	6.8	7.0	
230-250	.5	.9	.6									2.0	6.6	6.0	
(W) 260-280	.6	.9		.1								1.7	6.4	7.0	
290-310	.9	.6	.1									1.7	3.9	4.0	
320-340	12.6	6.3	.6									19.5	4.1	4.0	
VARIABLE															
CALM	////////////////////////////////////												17.7	////////////////////////////////	
TOTALS	54.1	24.7	3.0	.2								100.0	3.4	4.0	

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	13.7	6.5	.6		.1							20.9	4.0	4.0
020-040	10.8	3.8	1.9	1.4								17.8	5.4	4.0
050-070	6.3	2.5	.2									9.0	3.7	3.0
(E) 080-100	6.1	2.5	.2		.1							9.0	3.9	3.0
110-130	3.8	.8										4.6	3.0	2.0
140-160	1.8	.6	.2									2.6	4.4	4.0
(S) 170-190	1.4	.9										2.4	4.1	4.0
200-220	1.2	2.4	.4									3.9	6.1	6.0
230-250	.8	.6	.8	.1								2.4	7.3	8.0
(W) 260-280	.6			.2								.8	6.9	3.0
290-310	.7	.5	1.1	.1	.1							2.5	8.8	10.0
320-340	3.0	1.3	.2	.1								4.6	4.5	4.0
VARIABLE														
CALM	////////////////////////////////////											19.5	////////////////////////////////	
TOTALS	50.2	22.4	5.6	1.9	.3							100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(#) 350-010	2.7	.8	.2									3.8	4.1	4.0
020-040	4.8	2.8	1.3	.1								9.1	5.1	4.0
050-070	3.1	1.8	.5	.4								5.7	5.4	4.0
(#) 080-100	7.3	4.5	.8	.4	.1							13.1	5.0	4.0
110-130	7.2	3.9	.6	.1								11.8	4.4	4.0
140-160	5.3	3.0	.2	.1								8.6	4.2	4.0
(#) 170-190	6.1	3.0	.2	.1								9.5	4.2	4.0
200-220	3.3	3.4	2.4	.5								9.6	6.8	6.0
230-250	2.1	1.8	1.4	.6	.2							6.1	7.7	6.5
(W) 260-280	1.7	.9	.2									2.8	4.5	4.0
290-310	1.2	.5	.8	.4	.4							3.2	8.7	7.0
320-340	1.4	.8	.4									2.6	5.4	4.0
VARIABLE														
CALM	////////////////////////////////////											14.1	////////	
TOTALS	46.2	27.2	9.0	2.7	.7							100.0	4.5	4.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.1	.5									3.9	4.9	4.0
020-040	2.5	1.1	.6	.2								4.4	5.4	4.0
050-070	2.2	1.7	.1									4.0	4.6	4.0
(E) 080-100	4.0	3.2	.7	.1								8.0	4.7	4.5
110-130	5.1	2.4										7.5	3.9	3.0
140-160	4.5	2.0										6.5	3.8	3.0
(S) 170-190	3.9	4.6	1.1									9.6	5.4	6.0
200-220	7.0	6.9	3.9	.7								18.5	6.5	6.0
230-250	4.6	4.4	1.2	.6								10.8	6.3	6.0
(W) 260-280	1.9	1.2	.8	.2	.1							4.3	6.7	5.5
290-310	2.5	.2	.7	.9	.1							4.5	7.3	4.0
320-340	1.7	.5	.4	.2								2.7	5.7	4.0
VARIABLE														
CALM	////////////////////////////////////											15.4	////////	
TOTALS	42.3	29.3	10.0	2.9	.2							100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 845

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	1.8	1.1									7.5	4.8	4.0
020-040	2.0	.2	.2									2.5	3.9	3.0
050-070	.7	.7										1.4	4.6	4.5
(E) 080-100	1.5	.4	.2									2.1	4.2	4.0
110-130	1.1	.8	.1									2.0	4.5	4.0
140-160	3.0	.4										3.3	3.0	2.5
(S) 170-190	2.7	3.0	.4	.1	.1							6.3	5.5	5.0
200-220	6.0	7.5	1.3	.1								14.9	5.4	5.0
230-250	5.5	3.4	.8	.2								10.0	5.1	4.0
(W) 260-280	4.0	1.9	.5									6.4	4.5	4.0
290-310	5.9	2.8	.7									9.5	4.4	4.0
320-340	7.6	3.2	.4	.4								11.5	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											22.5	////////////////////////////////	
TOTALS	44.6	26.1	5.7	.8	.1							100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 843

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE APB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	17.9	11.6	.8									30.4	4.3	4.0
020-040	6.9	2.0	.5	.1								9.5	4.1	3.0
050-070	1.1	.5										1.5	3.4	3.0
(E) 080-100	.8	.2										1.1	3.8	4.0
110-130	.5	.4										.8	4.3	4.0
140-160	.6	.6										1.2	4.4	4.5
(S) 170-190	1.3	.6	.2	.1	.1							2.4	5.6	4.0
200-220	1.5	1.7	.9	.1								4.3	6.2	6.0
230-250	1.4	1.5	.4	.1								3.4	5.8	5.0
(W) 260-280	1.3	.8	.1									2.3	4.5	3.0
290-310	3.8	2.5	.9									7.2	5.2	4.0
320-340	11.6	7.2	.6									19.5	4.4	4.0
VARIABLE														
CALM	////////////////////////////////////											16.5	////////////////////////////////	
TOTALS	48.7	29.6	4.4	.4	.1							100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 843

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(E) 350-010	14.7	7.2	.5	.0	.0							22.5	4.1	4.0
020-040	6.5	3.0	.7	.3								10.5	4.7	4.0
050-070	2.3	1.1	.1	.0								3.5	4.2	4.0
(E) 080-100	2.8	1.4	.3	.1	.0							4.6	4.5	4.0
110-130	2.4	1.1	.1	.0								3.6	4.0	3.0
140-160	2.1	1.0	.1	.0								3.2	4.0	4.0
(S) 170-190	2.2	1.6	.3	.0	.0							4.1	4.9	4.0
200-220	2.8	3.3	1.3	.3								7.6	6.3	6.0
230-250	2.0	1.7	.7	.2	.0							4.7	6.3	5.0
(W) 260-280	1.4	.8	.2	.1	.0							2.6	5.3	4.0
290-310	2.4	1.1	.6	.2	.1							4.3	5.6	4.0
320-340	7.2	3.9	.4	.1								11.6	4.3	4.0
VARIABLE														
CALM	////////////////////											17.0	////	////
TOTALS	48.8	27.2	5.3	1.3	.1							100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 6761

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	7.7										7.7	3.0	3.0
020-040													
050-070	3.8	3.8									7.7	5.0	5.0
(E) 080-100	3.8										3.8	4.0	4.0
110-130													
140-160	7.7	3.8									11.5	3.7	2.0
(S) 170-190	3.8	3.8									7.7	4.0	4.0
200-220		11.5	7.7								19.2	8.4	8.0
230-250	3.8	3.8									7.7	5.0	5.0
(W) 260-280	3.8										3.8	4.0	4.0
290-310	3.8										3.8	4.0	4.0
320-340		3.8									3.8	5.0	5.0
VARIABLE													
CALM	////////////////////										23.1	////////	
TOTALS	38.2	30.5	7.7								100.0	4.0	4.5

TOTAL NUMBER OF OBSERVATIONS 26

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	17.7	10.4	.2	.1	.1							28.6	4.1	4.0
020-040	6.9	2.8	.2	.1								10.0	4.1	4.0
050-070	.6	.5										1.2	3.7	4.0
(E) 080-100	.8	.1										.9	2.0	2.0
110-130	.6	.3	.1									1.1	4.5	4.0
140-160	.6	.4	.1									1.2	4.4	4.0
(S) 170-190	1.8	1.7	.2	.1								3.9	5.2	5.0
200-220	1.9	3.7	1.5	.3								7.4	7.0	6.0
230-250	1.7	2.9	.8	.2								5.6	6.9	6.0
(W) 260-280	1.1	.3	.2		.1							1.7	6.0	4.0
290-310	2.6	.5	.2	.2								3.5	4.5	4.0
320-340	9.4	4.9	.1									14.4	4.2	4.0
.....														
VARIABLE														
CALM	////////////////////////////////////											20.5	////////	
TOTALS	45.7	28.5	3.6	1.0	.2							100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	26.3	10.4	.2									37.0	3.7	4.0
020-040	7.5	1.8	.6	.1								10.1	4.2	4.0
050-070	1.6	.2										1.8	2.9	3.0
(E) 080-100	.4	.1										.5	3.4	3.0
110-130	.3											.3	3.3	4.0
140-160	.8	.3										1.1	3.7	3.5
(S) 170-190	.4	1.7	.2									2.4	6.0	6.0
200-220	1.9	3.8	1.1									6.8	6.2	6.0
230-250	1.8	1.5	.5	.2								4.1	5.7	5.0
(W) 260-280	1.3	.5	.1									1.9	4.7	4.0
290-310	1.3	.8	.3	.2								2.6	6.0	4.5
320-340	8.6	3.7	.2									12.5	3.8	4.0
VARIABLE														
CALM	////////////////////////////////////											18.9	////////////////////////////////	
TOTALS	52.2	24.8	3.2	.5								100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	29.0	7.5	.3									36.9	3.4	3.0
020-040	4.7	.9	.6	.2								6.5	4.4	3.0
050-070	1.4	.2										1.6	3.3	3.0
(E) 080-100	.5	.1	.1									.8	4.9	2.0
110-130	1.2	.2										1.4	3.2	2.0
140-160	.8	.2	.1									1.1	3.8	3.0
(S) 170-190	1.2	1.1										2.3	4.3	4.0
200-220	2.5	2.5	.9									5.8	5.9	5.0
230-250	.8	.9	.4									2.0	5.7	6.0
(W) 260-280	1.0	.2										1.2	3.2	3.0
290-310	2.3	1.0	.3									3.5	4.3	3.0
320-340	12.0	4.6	.4									17.1	3.8	4.0
VARIABLE														
CALM	////////////////////////////////////											19.9	////////	
TOTALS	57.4	19.4	3.1	.2								100.0	3.1	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE APB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	11.7	2.5	1.0	.1								15.3	3.8	3.0
020-040	10.3	2.7	1.0	.4								14.4	4.2	3.0
050-070	6.0	2.5	.5									9.0	3.9	3.0
(E) 080-100	5.6	1.7	.4	.1								7.8	4.0	3.0
110-130	3.8	1.4	.3									5.5	3.9	3.0
140-160	2.8	.8	.1									3.7	3.3	3.0
(S) 170-190	2.5	1.9	.3									4.7	4.9	4.0
200-220	2.8	4.9	2.5	.2	.3							10.8	7.5	7.0
230-250	.9	1.3	1.3	.1								3.5	7.9	9.0
(W) 260-280	.8	.1	.1									1.0	4.0	3.0
290-310	1.1	.4	.4									1.9	5.3	3.5
320-340	1.3	.6	.2	.1								2.3	5.1	4.0
VARIABLE														
CALM	////////////////////											20.1	////////	
TOTALS	49.6	20.8	8.1	1.0	.3							100.0	3.8	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	3.4	1.1	.2									4.7	4.1	3.0
020-040	2.6	1.3	.1									4.0	4.0	3.0
050-070	2.9	2.0	.2									5.2	4.0	4.0
(E) 080-100	4.7	3.7	.3									8.7	4.5	4.0
110-130	5.8	3.4	.3		.1							9.7	4.4	4.0
140-160	6.3	3.1	.2									9.7	3.8	3.0
(S) 170-190	5.2	3.7	.6									9.5	4.8	4.0
200-220	4.3	7.1	4.2	.8	.2							16.6	7.4	6.5
230-250	2.9	2.6	2.9	.3	.3							9.0	7.8	7.0
(W) 260-280	.9	1.1	1.3	.1	.4							3.8	9.8	9.0
290-310	.8	.5	1.4	.5								3.2	10.2	12.0
320-340	1.0	1.1	.2									2.3	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											13.8	////////	
TOTALS	40.8	30.7	11.9	1.7	1.0							100.0	5.0	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	.6	.1	.2								2.8	4.8	4.0
020-040	1.7	.4	.2									2.4	4.2	3.5
050-070	1.5	1.1	.1									2.7	4.0	4.0
(E) 080-100	2.4	1.4	.3									4.1	4.6	4.0
110-130	2.6	2.6	.4									5.6	5.2	5.0
140-160	3.3	1.1	.4									4.8	4.4	3.0
(S) 170-190	4.8	4.1	.3									9.2	4.5	4.0
200-220	5.4	9.1	5.5	1.3	.3	.1						21.7	7.9	8.0
230-250	4.6	5.5	4.9	1.6	.5	.1	.1					17.4	8.5	8.0
(W) 260-280	2.5	1.6	2.0	1.0	.1							7.2	8.3	8.0
290-310	1.7	.8	2.0	1.3	.2							6.0	10.1	12.0
320-340	.9	.8	.3	.4								2.4	7.2	5.0
VARIABLE														
CALM	////////////////////////////////////											13.7	////////	
TOTALS	33.2	29.1	16.5	5.8	1.1	.2	.1					100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											*AL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	1.2	.1									3.4	4.3	4.0
020-040	1.4	.6	.3		.1							2.5	5.9	4.0
050-070	.6	.8										1.4	4.8	5.0
(E) 080-100	1.0	.8	.2									1.9	4.9	4.5
110-130	1.2	.5										1.7	3.4	3.0
140-160	1.6	.2										1.8	3.2	3.0
(S) 170-190	3.0	2.0	.4									5.5	4.8	4.0
200-220	7.2	6.9	1.7	.5								16.3	5.8	5.0
230-250	7.4	5.6	3.1	1.0	.3							17.4	6.7	5.0
(W) 260-280	5.4	2.3	1.7	.3	.2	.1	.1					10.1	6.5	4.0
290-310	3.5	2.7	1.3	.5	.1							8.2	6.7	5.5
320-340	4.1	2.0	.8	.2	.1							7.2	5.4	4.0
VARIABLE														
CALM	////////////////////											22.5	////////	
TOTALS	38.6	25.6	9.6	2.5	.8	.1	.1					100.0	4.6	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE APB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	10.6	4.2	.2		.1							15.2	3.9	4.0
020-040	4.4	1.6										6.0	3.9	4.0
050-070	1.7	.2	.3	.1								2.4	4.9	3.0
(E) 080-100	1.1	.3	.1									1.5	4.0	3.5
110-130	.8	.1										.9	3.1	3.0
140-160	.5	.1										.6	3.8	4.0
(S) 170-190	1.9	1.4	.2									3.5	4.8	4.0
200-220	2.8	2.7	.8	.2	.2							6.7	6.3	6.0
230-250	4.8	4.0	1.0	.4	.2							10.4	6.0	5.0
(W) 260-280	4.2	1.2	.5	.4								6.3	5.0	4.0
290-310	5.2	2.7	.2	.4								8.5	4.6	4.0
320-340	9.5	4.7	.2		.1							14.5	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											23.4	////////	
TOTALS	47.5	23.2	3.5	1.5	.6							100.0	3.6	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	12.9	4.7	.3	.1	.0							18.0	3.8	4.0
020-040	4.9	1.5	.4	.1	.0							7.0	4.2	4.0
050-070	2.1	.9	.1	.0								3.2	4.0	3.0
(E) 080-100	2.1	1.0	.2	.0								3.3	4.3	4.0
110-130	2.0	1.1	.1		.0							3.3	4.3	4.0
140-160	2.1	.8	.1									3.0	3.8	3.0
(S) 170-190	2.6	2.2	.3	.0								5.1	4.8	4.0
200-220	3.6	5.1	2.3	.4	.1	.0						11.5	6.9	6.0
230-250	3.1	3.0	1.9	.5	.2	.0	.0					8.7	7.2	6.0
(W) 260-280	2.1	.9	.8	.2	.1	.0	.0					4.2	6.7	4.0
290-310	2.3	1.2	.8	.4	.0							4.7	6.5	5.0
320-340	5.8	2.8	.3	.1	.0							9.1	4.3	4.0
VARIABLE														
CALM	////////////////////											19.1	////	////
TOTALS	45.6	25.2	7.6	1.8	.4							100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														
020-040														
050-070	16.7											16.7	2.5	2.5
(E) 080-100	8.3											8.3	4.0	4.0
110-130		8.3	8.3									16.7	8.0	8.0
140-160														
(S) 170-190														
200-220					8.3							8.3	22.0	22.0
230-250														
(W) 260-280			16.7									16.7	11.0	11.0
290-310														
320-340														
VARIABLE														
CALM	////////////////////											33.3	////////////////	
TOTALS	25.0	8.3	25.0		8.3							100.0	5.8	8.0

TOTAL NUMBER OF OBSERVATIONS 12

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	15.0	7.1	.2									22.3	3.9	4.0
020-040	4.1	2.8	.7	.1	.1							7.8	5.0	4.0
050-070	1.6	.7										2.2	3.7	3.0
(E) 080-100	.9	1.3	.1	.1								2.4	6.1	5.0
110-130	1.8	.2										2.0	3.0	2.0
140-160	1.6	.4										2.0	3.8	3.0
(S) 170-190	2.7	1.8	.4									4.9	5.0	4.0
200-220	3.7	7.2	3.4	.4								14.8	7.2	7.0
230-250	3.1	3.7	1.1	.4								8.3	6.3	6.0
(W) 260-280	1.9	1.3										3.2	4.1	4.0
290-310	1.7	.7	.6									2.9	4.7	3.0
320-340	8.2	3.3	.3									11.9	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											15.2	////	////
TOTALS	46.3	30.5	6.8	1.0	.1							100.0	4.2	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	21.4	8.0										29.4	3.5	4.0
020-040	6.1	1.7	1.0	.1								8.9	4.5	4.0
050-070	1.3	.7										2.0	3.7	3.5
(E) 080-100	.7	.3	.1									1.1	4.1	3.5
110-130	.9	.4										1.3	4.0	3.0
140-160	.7	.2										.9	3.5	3.5
(S) 170-190	1.7	1.6	.3									3.6	5.2	5.0
200-220	2.6	6.9	1.7	.2								11.3	6.7	6.0
230-250	2.6	3.4	1.3	.2								7.6	6.2	5.0
(W) 260-280	.9	.4										1.3	3.5	3.0
290-310	2.1	.8										2.9	3.6	3.0
320-340	10.3	3.6	.2									14.1	3.8	4.0
VARIABLE														
CALM	////////////////////////////////////											15.6	////////	
TOTALS	51.3	28.0	4.6	.5								100.0	3.7	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	27.8	6.6	.1	.1								34.6	3.4	3.0
020-040	5.8	2.0	.8	.3								8.9	4.8	4.0
050-070	1.9	.2										2.1	3.1	3.0
(E) 080-100	1.4	.2										1.7	3.1	3.0
110-130	1.3	.7										2.0	4.1	4.0
140-160	.3	.3										.7	4.3	4.5
(S) 170-190	1.2	1.0	.3									2.6	5.1	5.0
200-220	2.1	3.6	1.2	.3	.1							7.3	7.2	6.0
230-250	1.0	2.2	.9	.2								4.3	7.1	6.0
(W) 260-280	.7	.1	.2									1.0	4.8	3.0
290-310	2.0	.8	.1									2.9	3.7	3.0
320-340	11.2	3.3	.2									14.8	3.6	3.0
VARIABLE														
CALM	////////////////////////////////////											17.2	////////////////////////////////	
TOTALS	56.7	21.0	3.8	.9	.1							100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		4.6	1.3	.4	.1	.1							6.6	4.4	3.0
020-040		6.7	1.7	.9	.8								10.0	5.2	4.0
050-070		5.6	2.0	.7	.1								8.3	4.5	4.0
(E) 080-100		5.4	2.6	.9	.2								9.1	4.7	4.0
110-130		7.6	2.8	.3									10.7	3.8	3.0
140-160		5.1	1.8										6.9	3.4	3.0
(S) 170-190		4.0	2.3	.7									7.0	4.7	4.0
200-220		4.1	6.1	1.9	.8	.1							13.0	7.0	7.0
230-250		1.6	1.9	2.1	.7	.1							6.3	8.6	8.0
(W) 260-280		1.1	.2	.4	.1								1.9	6.3	4.0
290-310		.4	.4	.2									1.1	6.6	8.0
320-340		.9	.2	.2									1.3	4.4	3.0
VARIABLE															
CALM		////////////////////////////////////										17.8	////////////////////////////////		
TOTALS		47.1	23.3	8.7	2.8	.3							100.0	4.3	4.0
TOTAL NUMBER OF OBSERVATIONS 900															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.4	.2	.1								1.9	5.8	4.0
020-040	1.7	1.1										2.8	4.0	4.0
050-070	2.0	1.9	.3									4.2	5.3	5.0
(E) 080-100	2.7	3.8	.7									7.1	5.4	5.5
110-130	4.1	3.2	1.0	.1								8.4	5.1	5.0
140-160	5.2	3.2	.4	.1								9.0	4.4	4.0
(S) 170-190	6.7	7.2	1.0									14.9	5.2	5.0
200-220	5.0	9.0	6.0	.2	.1	.2						20.6	7.5	7.0
230-250	3.2	4.9	3.3	1.3	.2	.1						13.1	8.4	8.0
(W) 260-280	1.3	1.2	.8	.1	.1							3.6	6.8	6.0
290-310	1.2	1.0	.6	.1								2.9	6.3	5.0
320-340	1.7	.3	.3	.2								2.6	5.2	3.0
VARIABLE														
CALM	////////////////////////////////////											9.0	////////	
TOTALS	35.9	37.2	14.6	2.2	.4	.3						100.0	5.6	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.3	.1									2.0	3.9	3.5
020-040	1.2	.9	.2	.1								2.4	5.4	4.5
050-070	2.3	1.3	.1									3.8	4.3	4.0
(E) 080-100	1.4	.8	.3									2.6	5.0	4.0
110-130	1.7	.8	.4									2.9	5.2	4.0
140-160	3.3	1.6	.3									5.2	4.3	4.0
(S) 170-190	3.3	4.7	1.4	.2								9.7	6.1	6.0
200-220	4.8	11.0	9.0	1.9	.8	.2						27.7	8.9	8.0
230-250	3.9	8.3	7.6	1.3	.4	.3						21.9	9.1	8.0
(W) 260-280	2.6	2.3	1.4	.3	.1	.1						6.9	7.1	5.5
290-310	1.6	1.2	1.0	.7	.1							4.6	8.4	8.0
320-340	1.0	.6	.3	.1	.2							2.2	7.9	5.5
VARIABLE														
CALM	////////////////////////////////////											8.2	////////////////////////////////	
TOTALS	28.7	33.8	22.1	4.6	1.6	.6						100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.9	.3									2.6	5.2	4.0
020-040	.7	1.2	.8	.1								2.8	7.7	7.0
050-070	.3	.7	.3	.1								1.4	7.8	6.0
(E) 080-100	.9	.4	.1									1.4	4.0	4.0
110-130	.7	.6		.1								1.3	6.0	4.5
140-160	.8	.3										1.1	3.5	3.0
(S) 170-190	2.3	3.1	.2									5.7	5.0	6.0
200-220	9.6	13.1	4.4	1.2	.3							28.7	6.6	6.0
230-250	7.7	11.7	4.4	.8	.9	.1						25.6	7.3	6.0
(W) 260-280	3.7	3.6	.8	.4	.1							8.6	5.9	5.0
290-310	2.7	1.6	.7	.4								5.3	6.3	4.5
320-340	1.2	1.0	.3	.2	.1							2.9	7.3	6.0
VARIABLE														
CALM	////////////////////////////////////											12.7	////////	
TOTALS	31.9	38.2	12.3	3.3	1.4	.1						100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE APB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.0	1.6	.4									8.0	3.7	3.0
020-040	1.7	1.7	.7									4.0	5.7	5.5
050-070	.8	.3	.1									1.2	5.5	4.0
(E) 080-100	1.2	.6	.2									2.0	4.7	4.0
110-130	1.7	1.0	.4									3.1	5.2	4.0
140-160	1.2	.3										1.6	4.0	4.0
(S) 170-190	1.9	1.2	.2									3.3	4.5	4.0
200-220	4.8	8.1	2.1	.3	.1							15.4	6.6	6.0
230-250	6.6	8.7	1.9									17.1	5.8	5.0
(W) 260-280	6.1	2.3	.3	.2								9.0	4.3	4.0
290-310	5.0	1.3	.4	.2								7.0	4.6	4.0
320-340	5.0	2.2	.4									7.7	4.3	4.0
VARIABLE														
CALM	////////////////////////////////////											20.6	////////	
TOTALS	42.0	29.3	7.1	.7	.1							100.0	4.1	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.8	3.3	.2	.0	.0							13.4	3.7	4.0
020-040	3.5	1.6	.6	.2	.0							5.9	5.1	4.0
050-070	2.0	1.0	.2	.0								3.2	4.6	4.0
(E) 080-100	1.8	1.3	.3	.0								3.4	4.9	4.0
110-130	2.5	1.2	.3	.0								4.0	4.5	4.0
140-160	2.3	1.0	.1	.0								3.4	4.0	4.0
(S) 170-190	3.0	2.9	.6	.0								6.4	5.2	5.0
200-220	4.6	8.1	3.7	.7	.2	.1						17.3	7.3	7.0
230-250	3.7	5.6	2.8	.6	.2	.1						13.0	7.5	6.5
(W) 260-280	2.3	1.4	.5	.2	.0	.0						4.4	5.6	4.0
290-310	2.1	1.0	.4	.2	.0							3.7	5.6	4.0
320-340	4.9	1.8	.3	.1	.0							7.2	4.3	4.0
VARIABLE														
CALM	////////////////////////////////////											14.5	////////////////////////////////	
TOTALS	42.5	30.2	10.0	2.0	.4	.2						100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS												
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												MEAN
												MEDIAN
(N) 350-010												
020-040												
050-070												
(E) 080-100												
110-130		50.0										50.0
140-160												9.0
(S) 170-190												9.0
200-220												
230-250						50.0						50.0
(W) 260-280												28.0
290-310												25.0
320-340												
VARIABLE												
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	.0
TOTALS		50.0				50.0						100.0

TOTAL NUMBER OF OBSERVATIONS 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.5	3.7	.1									11.3	3.9	4.0
020-040	4.8	1.2	.2									6.2	3.6	3.0
050-070	2.2	.4										2.6	3.3	3.0
(E) 080-100	1.4	.1										1.5	2.9	2.5
110-130	2.0	.5	.1									2.7	3.4	3.0
140-160	1.2	.6										1.8	3.6	3.0
(S) 170-190	3.0	3.9	.2									7.1	5.1	5.0
200-220	5.6	15.9	4.6	.2								26.3	6.9	7.0
230-250	3.9	6.9	2.4		.1							13.2	6.5	6.0
(W) 260-280	1.1	.9	.1									2.0	4.6	4.0
290-310	1.9	.3	.1									2.4	3.3	3.0
320-340	5.1	2.9	.1									8.1	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											14.7	////////////////////////////////	
TOTALS	39.7	37.3	7.9	.2	.1							100.0	4.5	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	14.9	3.4	.2									18.6	3.5	3.0
020-040	5.3	1.0	.2									6.5	3.6	3.0
050-070	1.5	.4										1.9	3.8	4.0
(E) 080-100	.8											.8	2.3	2.0
110-130	.8											.8	2.9	2.0
140-160	1.8	.6										2.5	3.5	3.0
(S) 170-190	2.7	3.8										6.5	5.1	5.0
200-220	4.7	10.8	1.7	.1								17.3	6.3	6.0
230-250	3.0	3.4	.5	.1								7.1	5.4	5.0
(W) 260-280	2.4	.5										2.9	3.5	3.0
290-310	3.0	.3										3.3	2.8	2.0
320-340	10.3	2.5	.1									12.9	3.4	3.0
VARIABLE														
CALM	////////////////////////////////////											19.0	////////////////////////////////	
TOTALS	51.2	26.7	2.7	.2								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	23.2	3.3	.3									26.9	3.2	3.0
020-040	6.3	1.8	.4									8.6	3.8	3.0
050-070	3.5	.8		.1								4.4	3.3	3.0
(E) 080-100	1.8	.1	.1									2.0	2.8	2.0
110-130	.6											.6	2.2	2.0
140-160	1.7	.8										2.5	3.4	3.0
(S) 170-190	1.5	1.1	.2									2.8	4.5	4.0
200-220	2.7	4.7	1.3	.3								9.0	6.5	6.0
230-0	1.8	2.0	.1		.1							4.1	5.6	5.0
(W) 260-280	1.4	.3										1.7	3.1	2.5
290-310	2.0	.3										2.4	3.4	2.5
320-340	11.3	2.3										13.5	3.1	3.0
VARIABLE														
CALM	////////////////////////////////////											21.4	////////////////////////////////	
TOTALS	57.8	17.5	2.4	.4	.1							100.0	3.0	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	.6	.3	.1								4.3	3.8	2.5
020-040	3.8	1.2	.3									5.3	3.9	3.0
050-070	5.5	1.9	.1	.1								7.6	3.6	3.0
(E) 080-100	6.3	2.4	.4	.5								9.7	4.6	4.0
110-130	6.2	3.3	.5	.3								10.4	4.8	4.0
140-160	7.4	1.9										9.4	3.4	3.0
(S) 170-190	8.3	3.2	.6									12.2	4.2	4.0
200-220	6.6	6.7	3.8	.4								17.4	6.3	5.0
230-250	2.2	2.4	.6	.2								5.4	6.1	6.0
(W) 260-280	.8	.2	.1									1.1	4.1	4.0
290-310	.8	.3	.1									1.2	4.0	3.0
320-340	1.0	.2										1.2	3.1	2.0
VARIABLE														
CALM	////////////////////////////////////											14.9	////////	
TOTALS	52.1	24.3	6.8	1.6								100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.3										1.8	3.2	3.0
020-040	1.2	.5	.1									1.8	4.0	3.0
050-070	1.6	1.0	.2									2.8	4.5	3.0
(E) 080-100	2.8	1.9	.5									5.3	5.2	4.0
110-130	3.5	3.0	.3	.1								7.0	4.9	4.0
140-160	6.5	4.2	.4									11.1	4.6	4.0
(S) 170-190	5.5	6.5	.8									12.7	5.1	5.0
200-220	7.0	11.6	8.1	1.8								28.5	7.7	8.0
230-250	4.7	9.6	3.5	.2	.1	.1						18.3	7.0	6.0
(W) 260-280	1.9	1.1	.2	.1								3.3	5.0	4.0
290-310	1.5	.4										1.9	3.2	2.0
320-340	1.4	.1	.1									1.6	3.7	3.0
VARIABLE														
CALM	////////////////////////////////////											3.9	////////	
TOTALS	39.1	40.2	14.2	2.2	.1	.1						100.0	5.8	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.6	.1	.2								2.2	5.8	4.0
020-040	.5	.3			.1							1.0	5.7	4.0
050-070	.1	.4	.4									1.0	8.4	8.0
(E) 080-100	1.3	1.2	.3									2.8	5.0	5.0
110-130	1.5	.9	.2		.1							2.7	5.4	4.0
140-160	2.5	1.7	.1									4.3	4.1	4.0
(S) 170-190	3.8	4.6	1.4									9.8	6.0	6.0
200-220	4.8	14.7	8.9	2.4	.2							31.1	8.4	8.0
230-250	3.9	11.8	10.5	2.0	.2							28.5	8.8	8.0
(W) 260-280	2.5	4.0	1.4	.2	.1							8.2	6.9	7.0
290-310	1.5	1.1	.4	.4								3.4	6.9	5.0
320-340	1.7	.1										1.8	2.9	3.0
VARIABLE														
CALM	////////////////////											3.3	////	////
TOTALS	25.3	41.4	23.7	5.2	.7							100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.3	.3		.1							1.4	7.5	5.0
020-040	.2	.2	.2	.1		.1						.9	11.0	10.0
050-070	.1	.5	.3									1.0	7.3	7.0
(E) 080-100	.9	.4	.1	.1		.1						1.6	6.9	4.0
110-130	1.1	.3	.3		.1							1.8	6.1	4.0
140-160	1.1	.5	.3	.2								2.2	6.4	5.0
(S) 170-190	3.4	3.2	.5	.2								7.4	5.5	5.0
200-220	8.4	13.7	5.6	1.8	.1							29.6	7.1	6.0
230-250	8.3	15.2	8.2	1.2								32.8	7.3	7.0
(W) 260-280	4.2	3.3	.8	.2								8.5	5.4	5.0
290-310	1.6	1.0	.8	.1	.2							3.7	6.9	6.0
320-340	1.7	.5	.2									2.5	3.8	2.0
VARIABLE														
CALM	////////////////////											6.8	////////	
TOTALS	31.6	39.1	17.6	3.9	.5	.2						100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.1	1.5										4.6	3.8	3.0
020-040	1.4		.3									1.7	4.6	3.5
050-070	.2	.5										.8	5.3	6.0
(E) 080-100	.5	.2	.1									.9	4.8	4.0
110-130	.4	1.0	.2									1.6	6.3	6.0
140-160	.8	.3		.1								1.2	4.6	3.0
(S) 170-190	2.2	1.7										3.9	4.5	4.0
200-220	7.6	9.4	4.4	.3	.2	.1						22.0	6.7	6.0
230-250	12.6	13.2	2.2	.3								28.3	5.4	5.0
(W) 260-280	7.3	1.3	.2									8.8	3.5	3.0
290-310	5.2	2.5	.2									7.8	3.9	3.0
320-340	3.2	1.9	.3	.2								5.7	4.8	4.0
VARIABLE														
CALM	////////////////////////////////////											12.7	////////////////////////////////	
TOTALS	44.5	33.5	7.9	.9	.2	.1						100.0	4.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	6.9	1.7	.2	.0	.0							8.9	3.6	3.0
020-040	2.9	.8	.2	.0	.0	.0						4.0	4.0	3.0
050-070	1.8	.8	.1	.0								2.8	4.1	3.0
(E) 080-100	2.0	.8	.2	.1		.0						3.1	4.6	4.0
110-130	2.0	1.1	.2	.1	.0							3.5	4.8	4.0
140-160	2.9	1.3	.1	.0								4.4	4.1	4.0
(S) 170-190	3.8	3.5	.5	.0								7.8	5.0	5.0
200-220	5.9	10.9	4.8	.9	.1	.0						22.7	7.2	7.0
230-250	5.0	8.1	3.5	.5	.1	.0						17.2	6.9	6.0
(W) 260-280	2.7	1.5	.3	.1	.0							4.6	4.9	4.0
290-310	2.2	.8	.2	.1	.0							3.3	4.4	3.0
320-340	4.5	1.3	.1	.0								5.9	3.6	3.0
VARIABLE														
CALM	////////////////////											12.1	////	////
TOTALS	42.6	32.6	10.4	1.8	.2							100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														
020-040						25.0						25.0	27.0	25.0
050-070														
(E) 080-100						25.0						25.0	25.0	25.0
110-130			25.0		25.0							50.0	17.0	17.0
140-160														
(S) 170-190														
200-220														
230-250														
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	////////////////////											.0	////////////////	
TOTALS			25.0		25.0	50.0						100.0	21.5	23.5

TOTAL NUMBER OF OBSERVATIONS 4

C - 4 - 50

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	1.4	.1	.2								7.2	3.9	4.0
020-040	4.4	.4	.1									5.0	3.0	2.0
050-070	1.9	.7										2.6	3.3	3.0
(E) 080-100	1.7	.6	.1									2.3	4.0	4.0
110-130	1.4	.2	.1									1.8	3.8	3.0
140-160	1.7	.3	.2									2.2	4.1	3.0
(S) 170-190	2.7	3.3	.4									6.4	5.0	5.0
200-220	8.1	16.9	4.8	.2								30.0	6.6	6.5
230-250	6.7	6.1	3.1									15.9	6.2	6.0
(W) 260-280	1.4	.2	.1									1.8	3.3	2.5
290-310	2.2		.1									2.3	3.0	3.0
320-340	3.2	2.2										5.4	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											17.0	////////	
TOTALS	40.8	32.3	9.1	.4								100.0	4.4	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	10.8	2.9	.1	.1								13.9	3.6	4.0
020-040	3.7	.2	.3									4.2	3.9	3.0
050-070	1.7											1.7	2.5	2.0
(E) 080-100	.6	.4										1.0	4.6	4.0
110-130	1.3	.6	.1		.1							2.1	4.7	3.0
140-160	2.0	.6	.1									2.7	3.6	3.0
(S) 170-190	2.9	3.2	.3									6.4	5.0	5.0
200-220	6.4	7.7	2.4									16.6	5.9	6.0
230-250	4.8	4.4	.3									9.6	4.7	4.5
(W) 260-280	3.3	.8										4.1	3.2	3.0
290-310	3.7	.2										3.9	2.5	2.0
320-340	9.2	1.9										11.1	3.2	3.0
VARIABLE														
CALM	////////////////////////////////////											22.8	////////	
TOTALS	50.4	22.9	3.6	.1	.1							100.0	3.3	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	21.2	3.3	.4	.1								25.1	3.2	3.0
020-040	8.0	1.7	.1									9.8	3.3	3.0
050-070	2.8	.4										3.2	3.0	2.0
(E) 080-100	2.6	.6	.1									3.2	3.3	3.0
110-130	1.2	.3										1.6	2.9	2.0
140-160	1.4											1.4	2.6	2.0
(S) 170-190	1.8	.9	.3									3.0	4.6	4.0
200-220	2.4	2.2	.8									5.4	5.4	5.0
230-250	1.9	1.8	.2									3.9	4.5	5.0
(W) 260-280	1.0	.4										1.4	3.3	2.0
290-310	2.4	.6										3.0	3.0	2.0
320-340	10.6	1.3										11.9	3.1	3.0
VARIABLE														
CALM	////////////////////											27.0	////////	
TOTALS	57.3	13.5	1.9	.1								100.0	2.5	3.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	.7	.1	.1								3.4	3.7	2.0
020-040	4.4	.7	.2									5.3	3.4	2.0
050-070	3.3	1.3	.3									5.0	4.1	4.0
(E) 080-100	3.4	2.8	.4	.2								6.9	5.2	4.5
110-130	7.4	2.0	.4									9.9	3.8	3.0
140-160	9.0	3.3										12.3	3.4	3.0
(S) 170-190	9.6	4.8	.2									14.6	4.0	4.0
200-220	7.1	6.7	2.1	.1								16.0	5.7	5.0
230-250	2.7	2.6	.4									5.7	5.1	5.0
(W) 260-280	1.1	.1										1.2	2.8	3.0
290-310	1.0	.1										1.1	2.9	2.5
320-340	1.0	.2	.1									1.3	3.7	2.0
VARIABLE														
CALM	////////////////////////////////////											17.2	////////////////////////////////	
TOTALS	52.6	25.3	4.2	.4								100.0	3.6	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.3	.2									1.9	4.2	3.0
020-040	.7	.2	.1									1.0	3.7	3.0
050-070	1.4	.6	.3									2.3	4.8	3.0
(E) 080-100	1.3	1.1	.1									2.6	4.8	4.0
110-130	4.1	3.1	.6									7.8	4.8	4.0
140-160	5.7	4.2	.3									10.2	4.4	4.0
(S) 170-190	6.1	8.9	1.4									16.4	5.4	5.0
200-220	8.6	14.7	5.4	.3								29.0	6.7	6.0
230-250	5.3	7.3	2.7	.2	.1							15.7	6.5	6.0
(W) 260-280	2.4	1.3										3.8	4.2	3.5
290-310	.6	.4	.1									1.1	4.6	4.0
320-340	.7	.3		.1	.1							1.2	6.1	2.0
VARIABLE														
CALM	////////////////////////////////////											7.0	////////////////////////////////	
TOTALS	38.2	42.4	11.2	.6	.2							100.0	5.3	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.4	.2	.1								2.1	5.1	4.0
020-040	.7	.4	.1									1.2	4.6	4.0
050-070	.9	.3	.1			.1						1.4	6.5	4.0
(E) 080-100	1.1	.3	.3									1.8	4.8	4.0
110-130	.7	1.0	.2									1.9	5.6	5.0
140-160	1.3	1.7	.1									3.1	4.8	5.0
(S) 170-190	1.8	5.0	.7	.1								7.6	6.3	6.0
200-220	6.3	17.1	12.8	.9	.1							37.2	8.0	8.0
230-250	4.4	13.6	9.1	.4	.1							27.7	7.8	8.0
(W) 260-280	3.1	4.2	1.1	.1								8.6	6.1	5.0
290-310	1.7	1.0	.3									3.0	5.0	4.0
320-340	.4	.4		.2								1.1	6.7	6.0
VARIABLE														
CALM	////////////////////											3.3	////////	
TOTALS	23.7	45.4	25.0	1.8	.2	.1						100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	.9	.6	.4	.1	.1							2.1	7.2	6.0
020-040	.6	.2	.1	.2	.3	.1						1.6	11.6	8.0
050-070	.2	.3			.1							.7	7.7	6.5
(E) 080-100	.4	.7	.3	.1								1.6	7.2	7.0
110-130	.7	.4	.1									1.2	4.9	2.0
140-160	.6	.4	.1									1.1	5.7	5.0
(S) 170-190	1.1	2.1	1.0	.2	.1							4.6	7.8	7.0
200-220	7.8	18.1	7.4	.3	.1							33.8	7.2	7.0
230-250	12.2	18.8	7.2	.9								39.1	6.6	6.0
(W) 260-280	2.9	2.0	.6									5.4	5.1	4.0
290-310	.6	1.4	.4									2.4	6.3	6.0
320-340	.8	.7	.2			.1						1.8	6.6	5.0
VARIABLE														
CALM	////////////////////////////////////											4.7	////////////////////////////////	
TOTALS	28.8	45.7	17.8	1.8	.7	.2						100.0	6.5	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL &	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.0	.9	.2		.1							3.2	5.1	4.0
020-040	.7	.6	.3		.1							1.7	6.6	5.0
050-070	.3	.3	.1									.8	6.1	6.0
(E) 080-100	.6	.6	.3									1.4	6.2	6.0
110-130	.7	.1	.2									1.0	4.9	4.0
140-160	.7	.6			.1							1.3	5.3	4.0
(S) 170-190	1.8	1.1	.1									3.0	4.7	4.0
200-220	6.6	13.2	3.3	.1								23.2	6.4	6.0
230-250	13.9	14.7	2.6	.1								31.2	5.5	5.0
(W) 260-280	8.9	2.4										11.3	3.5	3.0
290-310	6.7	1.2	.1									8.0	3.3	3.0
320-340	1.3	1.8	.2	.1								3.4	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											10.3	////////	
TOTALS	44.2	37.5	7.4	.3	.3							100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		5.7	1.3	.2	.1	.0							7.4	3.8	3.0
020-040		2.9	.6	.2	.0	.1	.0						3.7	4.0	3.0
050-070		1.6	.5	.1		.0	.0						2.2	4.1	3.0
(E) 080-100		1.5	.9	.2	.0								2.6	4.9	4.0
110-130		2.2	1.0	.2		.0							3.4	4.3	4.0
140-160		2.8	1.4	.1		.0							4.3	4.0	4.0
(S) 170-190		3.5	3.7	.6	.0	.0							7.7	5.2	5.0
200-220		6.7	12.1	4.9	.3	.0							23.9	6.8	7.0
230-250		6.5	8.7	3.2	.2	.0							18.6	6.3	6.0
(W) 260-280		3.0	1.4	.2	.0								4.7	4.3	4.0
290-310		2.3	.6	.1									3.1	3.7	3.0
320-340		3.4	1.1	.1	.1	.0	.0						4.7	3.9	3.0
VARIABLE															
CALM		////////////////////////////////////										13.7	////////////////////////////////		
TOTALS		42.1	33.3	10.1	.7	.1							100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														
020-040					25.0							25.0	21.0	21.0
050-070														
(E) 080-100														
110-130		25.0			25.0							50.0	14.5	14.5
140-160					25.0							25.0	20.0	20.0
(S) 170-190														
200-220														
230-250														
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	////////////////////////////////////											.0	////////////////////////////////	
TOTALS		25.0			75.0							100.0	17.5	20.0

TOTAL NUMBER OF OBSERVATIONS 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.6	1.5	.2	.1								7.4	3.9	3.0
020-040	2.7	1.5	.4									4.6	4.5	4.0
050-070	2.2	.5	.1				.1					2.9	4.9	4.0
(E) 080-100	2.3	.8	.5			.1						3.7	5.1	3.0
110-130	1.5	1.7	1.0	.3	.2							4.7	7.8	7.0
140-160	2.3	1.0	.1		.1							3.4	4.7	3.0
(S) 170-190	2.7	.5										3.2	3.2	3.0
200-220	5.7	10.4	4.8	.5	.1							21.6	7.1	7.0
230-250	3.9	6.3	1.9	.1								12.3	6.2	6.0
(W) 260-280	2.8	.5	.2									3.5	3.4	2.0
290-310	2.2	.3	.1									2.6	3.2	2.0
320-340	4.1	1.0	.1	.1								5.3	3.7	3.0
VARIABLE														
CALM	////////////////////////////////////											24.7	////////////////////////////////	
TOTALS	38.0	26.0	9.4	1.1	.4	.1	.1					100.0	4.2	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	10.1	1.8				.1						12.0	3.2	3.0
020-040	3.4	1.2	.1		.1							4.8	4.1	3.0
050-070	2.9	.3										3.2	2.8	3.0
(E) 080-100	1.5	.6	.2	.2								2.6	5.2	4.0
110-130	1.9	1.0	.4									3.3	4.8	4.0
140-160	1.9	.6				.1						2.7	4.2	3.0
(S) 170-190	1.7	1.6	.1									3.4	4.8	4.5
200-220	4.4	8.5	3.1	.6								16.7	7.0	7.0
230-250	2.6	2.7	.4	.3								6.0	5.9	5.5
(W) 260-280	1.6											1.6	2.1	2.0
290-310	3.2	.5										3.8	3.0	2.0
320-340	9.9	1.9		.1								11.9	3.2	3.0
VARIABLE														
CALM	////////////////////////////////////											27.8	////////////////////////////////	
TOTALS	45.1	20.7	4.3	1.2	.1	.2						100.0	3.3	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	14.1	2.6	.1									16.8	3.2	3.0
020-040	4.5	.5	.1									5.2	3.1	2.0
050-070	2.0	.3										2.4	2.8	2.0
(E) 080-100	2.3	1.1		.1								3.4	4.3	3.5
110-130	2.4	.5	.2									3.1	3.9	4.0
140-160	2.7	.6	.3	.1								3.8	4.3	3.0
(S) 170-190	1.4	.6										2.0	3.6	2.0
200-220	3.1	5.5	1.7	.1								10.4	6.4	6.0
230-250	1.4	2.4	.4									4.2	5.8	6.0
(W) 260-280	1.5	.1										1.6	2.9	3.0
290-310	1.1	.2										1.3	2.7	2.0
320-340	10.9	1.5	.1									12.5	2.8	2.0
VARIABLE														
CALM	////////////////////////////////////											33.3	////////////////////////////////	
TOTALS	47.4	15.9	2.9	.3								100.0	2.6	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	.5										4.1	3.2	3.0
020-040	3.3	1.1	.1									4.5	3.5	3.0
050-070	3.7	.9	.1									4.6	3.1	3.0
(E) 080-100	4.7	2.0	.1									6.9	3.9	4.0
110-130	5.7	3.3	1.0	.1								10.1	4.7	4.0
140-160	7.1	2.0	.2									9.4	3.7	3.0
(S) 170-190	7.8	3.8	.6									12.3	4.3	4.0
200-220	5.6	7.1	2.8									15.5	6.2	6.0
230-250	3.4	2.0	.6	.1								6.2	5.0	4.0
(W) 260-280	2.4	.3										2.7	2.8	2.0
290-310	1.3											1.3	2.0	2.0
320-340	1.9	.4	.1	.1								2.6	4.1	3.0
VARIABLE														
CALM	////////////////////////////////////											19.9	////////////////////////////////	
TOTALS	50.4	23.4	5.6	.3								100.0	3.5	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.5										1.6	4.0	4.0
020-040	.9	.5	.1									1.5	4.4	3.5
050-070	.9	.1										1.0	3.6	4.0
(E) 080-100	2.5	1.4	.2									4.1	4.3	4.0
110-130	4.2	3.0	.4									7.6	5.0	4.0
140-160	6.2	4.6	.4	.1								11.4	4.6	4.0
(S) 170-190	7.7	8.5	2.2									18.4	5.5	5.0
200-220	7.2	13.3	6.5	.1								27.1	6.7	6.0
230-250	4.9	5.6	1.5	.1	.1							12.3	5.8	6.0
(W) 260-280	2.7	1.0	.1									3.8	3.5	3.0
290-310	1.3	.5	.1									1.9	3.9	2.5
320-340	.5	.2										.8	3.0	2.0
VARIABLE														
CALM	////////////////////////////////////											8.6	////////////////////////////////	
TOTALS	40.1	39.2	11.5	.3	.1							100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(W) 350-010	.5	.4	.1								1.1	5.4	5.0
020-040	.5	.3			.1						1.0	6.0	4.0
050-070	.5	.1	.1								.8	4.6	3.0
(E) 080-100	.8	1.2									1.9	4.5	5.5
110-130	.9	1.4	.3	.1							2.7	6.2	5.0
140-160	2.5	1.7	.8								4.9	5.2	4.5
(S) 170-190	6.3	6.2	2.8	.5							15.9	6.3	5.0
200-220	5.5	14.5	10.8	1.5							32.3	8.1	8.0
230-250	5.3	13.7	6.5	.9							26.2	7.5	7.0
(W) 260-280	1.9	1.5	.2								3.7	4.6	4.0
290-310	.6	.3	.2								1.2	5.3	4.0
320-340	.5	.8	.5	.1							1.9	8.1	8.0
VARIABLE													
CALM	////////////////////////////////////										6.5	////////////////////////////////	
TOTALS	25.8	42.1	22.3	3.1	.1						100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(W) 350-010	1.6	.9	.8	.3	.1	.1						3.8	7.7	5.0
020-040	.3	.8	.4	.3	.2							2.0	10.5	9.0
050-070	.3	.1	.3	.1	.4							1.3	13.2	12.5
(E) 080-100	.4	.1	.2	.2	.1	.2						1.3	12.2	11.0
110-130	2.0	1.5	.9	.1	.2							4.7	7.0	6.5
140-160	1.5	1.3	.3	.2								3.3	6.0	5.0
(S) 170-190	3.4	4.0	1.6									9.0	6.1	6.0
200-220	7.7	18.3	7.2	1.3	.4							34.9	7.4	7.0
230-250	5.7	9.8	3.7	.1	.1							19.4	6.5	6.0
(W) 260-280	2.2	2.6	.2									4.9	5.1	5.0
290-310	.9	.4	1.1	.2	.2	.1						2.9	9.7	10.0
320-340	1.0	1.6	.6	.1	.1	.1						3.5	8.0	7.0
VARIABLE														
CALM	////////////////////////////////////											8.8	////////////////////////////////	
TOTALS	27.0	41.4	17.3	2.9	1.8	.5						100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	2.5	1.6	.3	.2	.1							4.7	5.6	4.0
020-040	1.0	1.7	.8	.2								3.7	7.1	6.0
050-070	.8	.9	.1									1.7	5.6	6.0
(E) 080-100	1.7	1.2	.6		.1							3.7	6.4	5.0
110-130	2.0	2.3	1.6	.2		.3						6.5	7.9	6.0
140-160	.9	1.0	.5	.4	.1	.1						3.0	8.8	7.0
(S) 170-190	1.9	1.2	.5									3.7	5.4	4.0
200-220	5.6	8.7	4.4	.6	.1							19.5	7.0	6.0
230-250	9.4	10.8	2.4	.3								22.8	5.7	5.0
(W) 260-280	2.5	.9										3.3	3.6	3.0
290-310	3.5	.8	.1	.1								4.5	3.5	3.0
320-340	2.9	1.0	.3		.1							4.3	4.8	3.5
VARIABLE														
CALM	////////////////////////////////////											18.7	////////////////////////////////	
TOTALS	34.7	32.1	11.6	2.0	.5	.4						100.0	5.0	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	1.2	.2	.1	.0	.0						6.4	3.9	3.0
020-040	2.1	1.0	.3	.1	.1							3.4	4.8	4.0
050-070	1.7	.4	.1	.0	.1		.0					2.2	4.4	3.0
(E) 080-100	2.0	1.0	.2	.1	.0	.0						3.4	5.1	4.0
110-130	2.6	1.8	.7	.1	.1	.0						5.3	5.9	5.0
140-160	3.1	1.6	.3	.1	.0	.0						5.2	4.8	4.0
(S) 170-190	4.1	3.3	1.0	.1								8.5	5.3	5.0
200-220	5.6	10.8	5.2	.6	.1							22.2	7.2	7.0
230-250	4.6	6.7	2.2	.2	.0							13.7	6.3	6.0
(W) 260-280	2.2	.9	.1									3.1	3.8	3.0
290-310	1.8	.4	.2	.0	.0	.0						2.4	4.3	3.0
320-340	4.0	1.0	.2	.1	.0	.0						5.3	4.0	3.0
VARIABLE														
CALM	////////////////////											18.5	////	////
TOTALS	38.7	30.1	10.7	1.5	.4							100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010					6.3							6.3	22.0	22.0
020-040					6.3							6.3	20.0	20.0
050-070					6.3		6.3					12.5	28.0	24.5
(E) 080-100						18.8						18.8	26.7	25.0
110-130		6.3	18.8	6.3	6.3	6.3						43.8	14.9	12.0
140-160					6.3							6.3	22.0	22.0
(S) 170-190														
200-220														
230-250					6.3							6.3	20.0	20.0
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	////////////////////////////////////											.0	////////////////////////////////	
TOTALS		6.3	18.8	5.3	37.8	25.1	6.3					100.0	20.3	22.0

TOTAL NUMBER OF OBSERVATIONS 16

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.7	2.6	.2									11.5	3.6	3.0
020-040	4.0	1.6	.8	.4								6.8	5.3	4.0
050-070	2.0	.9										2.9	3.7	3.0
(E) 080-100	2.0	1.5	.4									4.0	4.7	3.0
110-130	2.6	1.8	.5		.1							5.1	5.7	4.0
140-160	2.6	1.0	.1	.1								3.8	4.4	4.0
(S) 170-190	2.8	1.2	.1	.1								4.2	4.4	4.0
200-220	6.1	6.7	1.4	.2								14.4	5.7	5.0
230-250	3.9	5.2	1.4									10.4	6.0	6.0
(W) 260-280	1.5	.4	.2									2.2	4.1	3.5
290-310	1.9	.8	.1									2.8	3.6	4.0
320-340	7.8	1.4	.4									9.7	3.4	3.0
VARIABLE														
CALM	////////////////////											22.4	////////	
TOTALS	45.9	25.1	5.6	.8	.1							100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	15.4	3.2										18.6	3.3	3.0
020-040	4.4	1.1	.2									5.7	3.7	3.0
050-070	1.9	.8	.1									2.8	4.4	4.0
(E) 080-100	2.4	1.1										3.4	3.8	3.5
110-130	1.6	.5	.1									2.3	4.5	3.0
140-160	1.8	.8		.1								2.7	4.0	4.0
(S) 170-190	1.7	1.4	.2									3.3	4.6	4.0
200-220	4.4	5.5	1.2									11.1	5.8	6.0
230-250	2.9	1.8	.2									4.9	4.5	4.0
(W) 260-280	2.2	.3										2.5	3.1	3.0
290-310	2.8	.1										2.9	2.6	2.0
320-340	12.2	1.3	.1									13.5	2.8	2.0
VARIABLE														
CALM	////////////////////											26.2	////////	
TOTALS	53.7	17.9	2.1	.1								100.0	2.8	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	22.4	4.1	.1									26.6	3.1	3.0
020-040	4.9	.9										5.8	3.0	2.0
050-070	1.4	.6										2.0	3.8	3.0
(E) 080-100	1.3	.3										1.6	3.4	4.0
110-130	1.6	.2										1.8	2.8	2.0
140-160	1.8	.1										1.9	2.6	2.0
(S) 170-190	1.7	.3	.1									2.2	3.8	4.0
200-220	2.2	4.0	.8									6.9	6.0	6.0
230-250	2.6	.8	.3									3.7	4.0	3.0
(W) 260-280	1.3											1.3	2.2	2.0
290-310	1.7	.2										1.9	2.3	2.0
320-340	12.2	1.5										13.7	2.9	3.0
VARIABLE														
CALM	////////////////////////////////////											30.6	////////	
TOTALS	55.1	13.0	1.3									100.0	2.4	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.3	1.9		.1								10.3	3.5	3.5
020-040	2.6	1.0	.1									3.7	3.6	3.0
050-070	4.1	1.2										5.3	3.5	4.0
(E) 080-100	5.1	2.8	.4	.1								8.4	4.3	4.0
110-130	9.1	4.0	.9									14.0	4.3	4.0
140-160	5.8	3.2	.2									9.2	4.3	4.0
(S) 170-190	7.6	3.9	.3									11.8	4.1	4.0
200-220	5.4	4.1	1.1									10.5	5.1	4.0
230-250	2.4	2.2	.3									4.8	4.9	5.0
(W) 260-280	1.7	.1										1.8	2.3	2.0
290-310	1.4	.1										1.5	2.9	3.0
320-340	2.5	.4										2.9	3.1	3.0
VARIABLE														
CALM	////////////////////////////////////											15.7	////////	
TOTALS	56.0	24.9	3.3	.2								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.6							.1			2.5	5.4	4.0
020-040	1.6	.5										2.2	4.0	4.0
050-070	2.3	.6	.1	.1								3.1	4.6	4.0
(E) 080-100	2.9	1.9										4.8	4.6	4.0
110-130	4.6	5.3	.8	.1								10.8	5.4	5.0
140-160	7.6	5.6	.4									13.7	4.7	4.0
(S) 170-190	8.7	8.6	.9		.1							18.3	5.1	5.0
200-220	8.2	9.4	2.4	.1								20.0	5.6	5.0
230-250	4.9	4.2	.5									9.7	4.6	4.0
(W) 260-280	3.1	1.0										4.1	3.7	4.0
290-310	1.8	.4	.1									2.4	3.5	2.0
320-340	1.3	.2										1.5	3.1	3.0
VARIABLE														
CALM	////////////////////////////////////											7.1	////////////////////////////////	
TOTALS	48.7	38.3	5.2	.3	.1				.1			100.0	4.6	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.8	.5		.1							2.4	6.6	5.5
020-040	1.0	.5	.3	.1								1.9	5.4	4.5
050-070	1.0	.2			.1							1.3	5.0	3.0
(E) 080-100	1.5	.9										2.4	4.0	4.0
110-130	2.7	2.2	.4									5.3	5.0	4.0
140-160	4.0	4.1	.8									8.8	5.1	5.0
(S) 170-190	6.3	8.2	2.0									16.6	5.6	5.0
200-220	6.7	15.7	6.2	.9	.2							29.7	7.3	7.0
230-250	5.2	7.8	2.9									15.9	6.3	6.0
(W) 260-280	3.3	2.5	.2									6.0	4.4	4.0
290-310	1.1	.4	.2									1.7	4.3	2.5
320-340	1.8	.3	.2									2.4	3.6	2.0
VARIABLE														
CALM	////////////////////////////////////											5.7	////	////
TOTALS	35.6	43.6	13.7	1.0	.4							100.0	5.6	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	1.2	.4	.1								5.2	4.6	3.0
020-040	.5	1.6	.9		.1							3.1	8.0	8.0
050-070	.9	.4	.2	.1								1.6	6.1	4.0
(E) 080-100	1.6	.5	.2	.1	.1							2.6	5.9	4.0
110-130	2.9	1.5	.6	.1		.1						5.3	5.8	4.0
140-160	4.3	1.3	.1	.1								5.8	3.9	4.0
(S) 170-190	6.0	4.3	.5	.1								11.0	4.8	4.0
200-220	7.8	14.7	3.4	1.2	.1							27.3	6.5	6.0
230-250	7.2	7.8	1.5	.4		.1						17.1	5.7	5.0
(W) 260-280	2.5	1.2		.1								3.8	4.3	4.0
290-310	1.6	1.2	.1	.3								3.2	5.4	4.5
320-340	1.2	.5	1.3	.1	.2							3.3	7.9	8.0
VARIABLE														
CALM	////////////////////											10.8	////	////
TOTALS	39.9	36.2	9.2	2.7	.5	.2						100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	4.8	1.3	.1									6.2	3.2	2.0
020-040	1.3	1.4	1.2	.2								4.1	6.7	6.0
050-070	.4	1.0	.2	.2								1.8	7.4	6.0
(E) 080-100	1.3	1.3	.5	.2	.2	.1						3.7	8.1	7.5
110-130	1.5	1.3	.8	.5	.2		.1					4.4	8.6	7.0
140-160	2.7	1.1	.5	.2	.2							4.7	6.0	4.0
(S) 170-190	2.3	1.2	.3	.1	.2							4.1	5.7	4.0
200-220	6.9	9.4	1.6	.5								18.4	6.0	5.0
230-250	6.2	5.7	1.6	.2	.1							13.9	5.8	5.0
(W) 260-280	4.4	.9	.2	.2								5.7	3.8	3.0
290-310	3.1	.6										3.8	3.0	2.0
320-340	7.0	2.2	.5	.1		.1						9.9	4.2	3.0
VARIABLE														
CALM	////////////////////////////////////											19.4	////////	
TOTALS	41.9	27.4	7.5	2.4	.9	.2	.1					100.0	4.5	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.2	2.0	.2	.0	.0				.0			10.4	3.5	3.0
020-040	2.5	1.1	.4	.1	.0							4.2	4.8	4.0
050-070	1.7	.7	.1	.1	.0							2.6	4.5	4.0
(E) 080-100	2.3	1.3	.2	.1	.0	.0						3.9	4.9	4.0
110-130	3.3	2.1	.5	.1	.0	.0	.0					6.1	5.3	4.0
140-160	3.8	2.1	.3	.1	.0							6.3	4.6	4.0
(S) 170-190	4.7	3.6	.6	.0	.0							8.9	4.9	4.0
200-220	6.0	8.7	2.3	.4	.0							17.3	6.2	6.0
230-250	4.4	4.4	1.1	.1	.0	.0						10.1	5.5	5.0
(W) 260-280	2.5	.8	.1	.0								3.4	3.7	3.0
290-310	1.9	.5	.1	.0								2.5	3.5	2.0
320-340	5.7	1.0	.3	.0	.0	.0						7.1	3.5	3.0
VARIABLE														
CALM	////////////////////											17.2	////	////
TOTALS	47.0	28.3	6.2	1.0								100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010														
020-040		5.0	5.0	5.0								15.0	12.0	12.0
050-070			5.0									5.0	14.0	14.0
(E) 080-100		10.0			5.0							15.0	10.3	6.0
110-130	10.0	5.0		15.0	5.0							35.0	11.3	15.0
140-160				10.0	5.0							15.0	16.7	15.0
(S) 170-190														
200-220				5.0	5.0							10.0	21.0	21.0
230-250														
(W) 260-280														
290-310														
320-340			5.0									5.0	12.0	12.0
VARIABLE														
CALM	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	.0	////////////////////////////////////	////////////////////////////////////
TOTALS	10.0	20.0	15.0	35.0	20.0							100.0	13.2	15.0

TOTAL NUMBER OF OBSERVATIONS 20

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 31 - FEB 91
MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	13.7	4.4	.1									18.2	3.5	3.0
020-040	6.8	1.8	.1									8.7	3.5	3.0
050-070	1.7	.3										2.0	3.2	3.0
(E) 080-100	1.2	.4	.2	.2								2.1	5.8	4.0
110-130	1.3	.9		.1								2.3	4.7	4.0
140-160	1.7	.3										2.0	3.4	4.0
(S) 170-190	1.9	1.6										3.4	4.6	4.0
200-220	2.1	4.4	.9	.1								7.6	6.0	6.0
230-250	2.0	2.2	1.9									6.1	6.8	6.0
(W) 260-280	1.1	.6										1.7	3.4	3.0
290-310	2.6	.1										2.7	2.7	2.0
320-340	9.2	2.2										11.4	3.4	3.0
VARIABLE														
CALM	////////////////////////////////////											31.8	////////////////////////////////	
TOTALS	45.3	19.2	3.2	.4								100.0	2.9	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	22.0	5.1	.1									27.2	3.4	3.0
020-040	4.8	1.9	.1									6.8	3.5	3.0
050-070	1.0	.2	.1									1.3	4.2	3.5
(E) 080-100	.9	.3	.2									1.4	4.7	3.0
110-130	.6	.4	.2	.1								1.3	6.4	5.5
140-160	.8	.2										1.0	4.0	4.0
(S) 170-190	1.4	1.0										2.4	4.1	4.0
200-220	1.4	3.2	1.3	.1								6.1	7.2	6.0
230-250	.9	1.6	.3	.1								2.9	6.2	6.0
(W) 260-280	1.6	.2	.1									1.9	3.6	3.0
290-310	2.2	.6										2.8	3.1	3.0
320-340	11.7	3.0	.1									14.8	3.5	3.0
VARIABLE														
CALM	////////////////////////////////////											30.0	////////	
TOTALS	49.3	17.7	2.5	.3								100.0	2.8	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 06-08

WIND SPEED IN KNOTS															
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
(N) 350-010	26.0	6.3	.2									32.6	3.4	3.0	
020-040	5.8	1.7										7.4	3.7	3.0	
050-070	.9	.7										1.6	3.9	3.0	
(E) 080-100	.8	.4	.2									1.4	4.7	3.0	
110-130	1.0	.6	.1									1.7	4.3	4.0	
140-160	.3	.3										.7	4.8	4.5	
(S) 170-190	1.3	.6										1.9	3.6	4.0	
200-220	1.7	1.6	.2									3.4	4.7	5.0	
230-250	1.0	1.4	.1									2.6	4.9	5.0	
(W) 260-280	.9											.9	2.0	1.5	
290-310	1.6	.3										1.9	2.8	2.0	
320-340	12.2	2.6										14.8	3.2	3.0	
VARIABLE															
CALM	////////////////////////////////////											29.2	////////////////////////////////		
TOTALS	53.5	16.5	.8									100.0	2.5	3.0	

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		7.4	1.6	.1									9.1	3.2	3.0
020-040		7.0	2.9	.6									10.4	3.9	3.0
050-070		6.4	3.1	1.0	.1								10.7	4.7	4.0
(E) 080-100		6.7	3.4	2.1	.4	.1							12.8	5.6	4.0
110-130		6.1	2.7	.8	.1								9.7	4.7	4.0
140-160		5.0	1.6										6.6	3.3	3.0
(S) 170-190		3.9	1.4	.2									5.6	4.1	4.0
200-220		2.3	2.9	.4		.1							5.8	5.6	5.0
230-250		1.1	.7	.9	.2								2.9	6.9	5.0
(W) 260-280		1.0	.1	.2									1.3	4.1	2.0
290-310		.6											.6	2.0	2.0
320-340		1.6	.1	.4									2.1	4.3	2.0
VARIABLE															
CALM		////////////////////////////////////										22.6	////////////////////////////////		
TOTALS		49.1	20.5	6.7	.8	.2							100.0	3.5	4.0
TOTAL NUMBER OF OBSERVATIONS 900															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	1.1	.2	.1								2.8	5.6	5.0
020-040	1.3	.4	.7									2.4	5.6	4.0
050-070	1.6	.8	.6	.1								3.0	5.7	4.0
(E) 080-100	3.1	2.2	1.3	.2								6.9	6.1	6.0
110-130	6.9	5.2	1.8	.6								14.4	5.9	5.0
140-160	7.1	4.0	.6									11.7	4.3	4.0
(S) 170-190	9.3	4.6	1.0									14.9	4.4	4.0
200-220	7.2	5.6	2.1	.8	.1							15.8	6.1	5.0
230-250	3.3	2.6	1.1	.4								7.4	6.5	5.0
(W) 260-280	2.1	.4	.3									2.9	4.1	3.0
290-310	1.4	.1										1.6	2.4	2.5
320-340	1.4	1.0	.3									2.8	5.3	4.0
VARIABLE														
CALM	////////////////////////////////////											13.4	////////////////////////////////	
TOTALS	46.0	28.0	10.0	2.2	.1							100.0	4.6	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(W) 350-010	2.2	1.1	.6									3.9	4.8	4.0
020-040	.3	.6	.1									1.0	7.3	8.0
050-070	1.1	.8	.3									2.2	5.3	4.5
(E) 080-100	1.8	.7	.8		.1							3.3	5.9	4.0
110-130	2.9	2.7	1.1		.1							6.8	5.7	6.0
140-160	4.1	2.0	.2									6.3	4.0	4.0
(S) 170-190	7.4	8.1	1.7	.3								17.6	5.6	5.0
200-220	8.3	10.8	4.3	1.2	.1							24.8	6.7	6.0
230-250	4.2	7.1	1.7	.6								13.6	6.5	6.0
(W) 260-280	3.3	1.4	.9									5.7	5.2	4.0
290-310	1.6	.2	.2	.1								2.1	4.5	3.0
320-340	1.6	.3	.1	.3	.2							2.6	7.1	4.0
VARIABLE														
CALM	////////////////////////////////////										10.2	////////////////////////////////		
TOTALS	38.8	35.8	12.0	2.5	.5							100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	1.0	.2			.1						4.2	4.6	3.5
020-040	.9	.1	.4		.1							1.6	6.6	4.0
050-070	.4	.6	.2		.1	.1						1.4	8.8	8.0
(E) 080-100	1.6	.7	.3	.2		.1						2.9	7.3	4.0
110-130	2.9	1.1	.3									4.3	4.3	4.0
140-160	2.1	.3		.1								2.6	3.6	2.0
(S) 170-190	5.1	2.0	.1	.1	.1							7.4	4.2	4.0
200-220	9.3	10.3	1.6									21.2	5.2	5.0
230-250	10.0	5.3	1.4	.3								17.1	5.0	4.0
(W) 260-280	4.4	1.8	.2									6.4	4.1	4.0
290-310	3.6	.9	.1									4.6	3.6	3.0
320-340	3.0	1.3	.6			.1						5.0	5.0	4.0
VARIABLE														
CALM	////////////////////											21.2	////////	
TOTALS	46.2	25.4	5.4	.7	.3	.4						100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.1	2.9	.3									11.3	3.7	3.0
020-040	4.3	1.1	.3									5.8	4.0	4.0
050-070	1.3	.6										1.9	4.1	4.0
(E) 080-100	.9	.9	.2		.2							2.2	6.8	5.5
110-130	1.6	1.1	.7		.1	.1						3.6	7.0	5.0
140-160	1.2	.6	.3									2.1	4.9	4.0
(S) 170-190	2.0	1.1	.1	.1								3.3	4.6	4.0
200-220	4.7	3.2	.8	.2								8.9	5.2	4.0
230-250	5.4	3.7	.7									9.8	4.6	4.0
(W) 260-280	3.8	.9		.1	.1							4.9	4.0	3.0
290-310	4.3	.8	.3	.1								5.6	3.8	3.0
320-340	7.4	3.3	.2									11.0	3.9	3.0
VARIABLE														
CALM	////////////////////											29.7	////	////
TOTALS	45.0	20.2	3.9	.5	.4	.1						100.0	3.1	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	10.5	2.9	.2	.0		.0						13.7	3.6	3.0
020-040	3.9	1.3	.3		.0							5.5	4.0	3.0
050-070	1.8	.9	.3	.0	.0	.0						3.0	4.9	4.0
(E) 080-100	2.1	1.1	.7	.1	.1	.0						4.1	5.9	4.0
110-130	2.9	1.8	.6	.1	.0	.0						5.5	5.4	4.0
140-160	2.8	1.2	.1	.0								4.1	4.0	4.0
(S) 170-190	4.1	2.5	.4	.1	.0							7.1	4.7	4.0
200-220	4.6	5.3	1.5	.3	.0							11.7	6.0	5.0
230-250	3.5	3.1	1.0	.2								7.8	5.8	5.0
(W) 260-280	2.3	.7	.2	.0	.0							3.2	4.2	3.0
290-310	2.2	.4	.1	.0								2.7	3.4	3.0
320-340	6.0	1.7	.2	.0	.0	.0						8.1	3.8	3.0
VARIABLE														
CALM	////////////////////////////////////											23.5	////////////////////////////////	
TOTALS	46.7	22.9	5.6	.8	.1							100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS												
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												% WIND WIND
(N) 350-010					16.7							16.7 27.0 25.0
020-040												
050-070					16.7							16.7 25.0 25.0
(E) 080-100					16.7							16.7 25.0 25.0
110-130												
140-160												
(S) 170-190												
200-220												
230-250												
(W) 260-280	33.3											33.3 3.5 3.5
290-310												
320-340		16.7										16.7 8.0 8.0
VARIABLE												
CALM	////////////////////										.0	////////////////
TOTALS	33.3	16.7			50.1							100.0 15.3 16.5

TOTAL NUMBER OF OBSERVATIONS 6

C - 4 - 90

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	25.2	7.2	.2									32.6	3.4	3.0
020-040	8.8	1.7	.3									10.9	3.6	3.0
050-070	1.5	.2										1.7	3.1	3.0
(E) 080-100	.8	.1										.9	3.3	2.5
110-130	.8	.1										.9	3.0	2.0
140-160	.8	.5	.1									1.4	4.2	4.0
(S) 170-190	1.8	.6										2.5	3.3	3.0
200-220	1.7	1.7	.3									3.8	5.3	5.0
230-250	1.1	.4	.1									1.6	3.9	4.0
(W) 260-280	.4	.2										.6	3.5	2.5
290-310	2.3	.3	.1	.1								2.8	3.7	3.0
320-340	11.7	3.0	.1	.1								14.9	3.6	3.0
VARIABLE														
CALM	////////////////////////////////////											25.5	////////////////////////////////	
TOTALS	56.9	16.0	1.2	.2								100.0	2.7	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	32.0	7.3	.2	.1								39.7	3.4	3.0
020-040	8.0	2.2	.2	.1								10.4	3.6	3.0
050-070	.9	.3										1.2	3.2	2.0
(E) 080-100	.9	.2										1.1	3.1	3.0
110-130	.2	.1										.3	4.0	4.0
140-160	.6	.1										.8	2.4	2.0
(S) 170-190	.5	.4	.1									1.1	4.6	4.5
200-220	1.1	1.2	.1									2.4	4.9	5.0
230-250	.8											.8	2.3	2.0
(W) 260-280	1.0											1.0	1.8	2.0
290-310	2.2	.3	.1									2.6	3.5	3.0
320-340	13.8	2.7										16.5	3.1	3.0
VARIABLE														
CALM	////////////////////////////////////											22.4	////////////////////////////////	
TOTALS	62.0	14.8	.7	.2								100.0	2.6	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	31.9	5.3	.3									37.5	3.2	3.0
020-040	8.0	.6	.6	.1								9.4	3.4	2.0
050-070	.9	.4										1.3	3.9	2.5
(E) 080-100	.4	.2										.6	4.3	4.0
110-130	.5	.2	.1									.9	3.9	2.0
140-160	.4	.2										.6	3.5	3.0
(S) 170-190	.4	.2										.6	3.8	3.5
200-220	.3	1.1										1.4	5.8	6.0
230-250	.9	.2										1.1	3.5	3.0
(W) 260-280	.3											.3	2.3	2.0
290-310	1.6	.3										1.9	3.2	2.5
320-340	16.7	2.7	.1									19.5	3.1	3.0
VARIABLE														
CALM	////////////////////////////////////											24.8	////////////////////////////////	
TOTALS	62.3	11.4	1.1	.1								100.0	2.5	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		11.0	1.7	.3									13.0	3.2	3.0
020-040		10.4	2.8	1.6	.2								15.1	4.4	3.0
050-070		8.2	2.5	.1	.1								10.9	3.6	3.0
(E) 080-100		8.4	2.7	.9	.2								12.2	4.3	3.0
110-130		6.8	1.3	.1									8.2	3.3	3.0
140-160		2.4	.4										2.8	2.8	2.0
(S) 170-190		2.3	.5										2.8	3.1	2.5
200-220		1.3	1.3	.8	.2								3.5	6.6	6.0
230-250		.9	.2	.3	.1								1.5	6.1	4.0
(W) 260-280		.2	.1										.3	3.3	2.0
290-310		.1	.2										.3	4.3	6.0
320-340		1.9	.4	.3									2.7	3.9	3.0
VARIABLE															
CALM		////////////////////////////////////											26.8	////////////////////////////////	
TOTALS		53.9	14.1	4.4	.8								100.0	2.9	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.1	.2									2.6	3.3	2.5
020-040	3.7	.6	.5									4.8	4.0	3.0
050-070	4.4	1.9	.4									6.8	4.4	4.0
(E) 080-100	6.2	3.2	.8	.3								10.5	4.9	4.0
110-130	8.7	5.1	.2	.3								14.3	4.6	4.0
140-160	9.7	2.2	.3									12.2	3.5	3.0
(S) 170-190	5.7	2.6	.1		.1							8.5	4.0	4.0
200-220	4.1	3.0	1.7	.3								9.1	6.1	5.0
230-250	3.1	1.7	.8	.2	.1							5.9	5.5	4.0
(W) 260-280	1.4	.3		.1								1.8	4.2	3.0
290-310	.5	.4	.1									1.1	5.3	5.0
320-340	1.0	.2	.4									1.6	4.9	3.0
VARIABLE														
CALM	////////////////////											20.8	////////	
TOTALS	50.8	21.3	5.5	1.2	.2							100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.4	.4	.1								3.2	4.2	2.0
020-040	1.7	1.3	.2	.1								3.3	5.5	4.0
050-070	1.6	1.0	.2	.1								2.9	5.0	4.0
(E) 080-100	1.8	1.4	.5	.2								4.0	5.9	5.0
110-130	4.5	2.4	.9		.1							7.8	5.0	4.0
140-160	6.1	1.6	.2									8.0	3.5	3.0
(S) 170-190	7.7	3.9	.4									12.0	4.0	4.0
200-220	7.8	6.5	1.9	.5								16.8	5.8	5.0
230-250	4.2	3.3	1.9	.4	.1	.1						10.1	6.5	5.0
(W) 260-280	2.8	.8		.1								3.7	3.6	3.0
290-310	1.7	.8	.1									2.6	4.0	3.5
320-340	1.5	.6										2.2	3.8	3.5
VARIABLE														
CALM	////////////////////////////////////											23.4	////////////////////////////////	
TOTALS	43.7	24.0	6.7	1.5	.2	.1						100.0	3.8	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	1.1										5.3	3.5	3.0
020-040	1.3	1.0	.2									2.5	4.9	4.0
050-070	.1	.3	.1	.1								.6	8.5	7.5
(E) 080-100	.9	.8										1.6	4.1	3.0
110-130	1.2	1.0										2.2	4.5	4.0
140-160	1.9	.4										2.4	3.3	3.0
(S) 170-190	5.4	.8		.1								6.2	3.2	3.0
200-220	8.8	3.1	.8									12.7	4.0	3.0
230-250	9.5	2.5	.6									12.6	4.0	4.0
(W) 260-280	5.1	.9										5.9	3.0	3.0
290-310	4.2	1.7	.2									6.1	3.9	4.0
320-340	7.4	.8										8.2	2.9	3.0
VARIABLE														
CALM	////////////////////////////////////											33.8	////////	
TOTALS	50.0	14.4	1.9	.2								100.0	2.5	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	19.7	5.2	.3									25.2	3.5	3.0
020-040	4.5	1.1	.5									6.1	3.9	3.0
050-070	1.2	.2										1.4	2.9	2.0
(E) 080-100	.5			.1								.6	4.5	2.0
110-130	.8	.4										1.2	4.1	4.0
140-160	1.3	.1										1.4	2.5	2.0
(S) 170-190	1.7	.6										2.4	3.6	3.0
200-220	2.7	1.6	.4									4.7	4.8	4.0
230-250	2.6	1.4										4.0	3.9	4.0
(W) 260-280	1.3	.5										1.8	3.8	3.0
290-310	3.9	.3	.1									4.3	3.0	2.5
320-340	12.9	4.0	.4	.1								17.4	3.7	3.0
VARIABLE														
CALM	////////////////////////////////////											29.5	////////////////////////////////	
TOTALS	53.1	15.4	1.7	.2								100.0	2.6	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	16.1	3.5	.3	.0								19.9	3.4	3.0
020-040	5.8	1.4	.5	.1								7.8	4.0	3.0
050-070	2.3	.9	.1	.0								3.3	4.0	3.0
(E) 080-100	2.5	1.1	.3	.1								3.9	4.6	4.0
110-130	2.9	1.3	.2	.0	.0							4.5	4.3	3.5
140-160	2.9	.7	.1									3.7	3.4	3.0
(S) 170-190	3.2	1.2	.1	.0	.0							4.5	3.8	3.0
200-220	3.5	2.4	.8	.1								6.8	5.3	4.0
230-250	2.9	1.2	.5	.1	.0	.0						4.7	4.9	4.0
(W) 260-280	1.6	.3		.0								1.9	3.3	3.0
290-310	2.1	.6	.1	.0								2.7	3.6	3.0
320-340	8.4	1.8	.2	.0								10.4	3.4	3.0
VARIABLE														
CALM	////////////////////////////////////											25.9	////////////////////////////////	
TOTALS	54.2	16.4	3.2	.4								100.0	2.9	3.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE APB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010															
020-040															
050-070															
(E) 080-100			25.0	25.0									50.0	9.5	9.5
110-130															
140-160															
(S) 170-190															
200-220		25.0											25.0	2.0	2.0
230-250															
(W) 260-280															
290-310															
320-340															
VARIABLE															
CALM		////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	25.0	////////////////	////////////////
TOTALS		25.0	25.0	25.0									100.0	5.3	7.0

TOTAL NUMBER OF OBSERVATIONS 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	28.2	12.0	.2	.1								40.6	3.9	4.0
020-040	9.0	3.0	.2									12.2	3.7	4.0
050-070	2.2	.8										3.0	3.4	3.0
(E) 080-100	1.2	.1	.1									1.4	3.2	2.0
110-130	.6	.4										1.0	4.1	4.0
140-160	1.2	.4	.2									1.9	4.6	4.0
(S) 170-190	.6	.2										.8	3.7	4.0
200-220	.6	1.7										2.2	5.4	5.0
230-250	1.0	.4	.3									1.8	4.8	4.0
(W) 260-280	.4			.1								.6	5.6	4.0
290-310	2.0	.7	.3									3.0	4.3	3.0
320-340	7.2	4.6	.3									12.1	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											19.4	////////////////////////////////	
TOTALS	54.2	24.3	1.6	.2								100.0	3.2	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	26.6	13.4	.9									40.9	4.0	4.0
020-040	9.3	3.9	.3									13.6	3.9	4.0
050-070	1.9	.3										2.2	3.5	3.0
(E) 080-100	.9											.9	2.6	2.0
110-130	.7											.7	3.0	3.0
140-160	.6											.6	2.2	2.0
(S) 170-190	1.1	.4										1.6	3.5	3.0
200-220	.7	1.0	.2									1.9	5.8	6.0
230-250	.4	.6	.1	.1								1.2	5.7	5.0
(W) 260-280	.4	.2										.7	3.7	3.0
290-310	1.9	.4	.1									2.4	3.6	3.0
320-340	11.1	2.4	.1									13.7	3.5	3.0
VARIABLE														
CALM	////////////////////////////////////											19.8	////////////////////////////////	
TOTALS	55.6	22.6	1.7	.1								100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	28.6	7.2	.7									36.4	3.6	3.0
020-040	7.8	1.9	.7		.1							10.4	4.0	3.0
050-070	2.0	.4										2.4	3.0	3.0
(E) 080-100	.9	.1										1.0	3.1	3.0
110-130	.6	.1										.7	2.7	2.0
140-160	.2	.4										.7	4.5	5.0
(S) 170-190	.8	.1										.9	3.8	3.5
200-220	1.0	1.0	.2									2.2	5.3	5.0
230-250	.8	.6	.1									1.4	4.8	4.0
(W) 260-280	.7											.7	2.0	2.0
290-310	1.7	.6	.1									2.3	3.7	3.0
320-340	11.9	4.3	.1									16.3	3.8	3.0
VARIABLE														
CALM	////////////////////////////////////											24.4	////////////////////////////////	
TOTALS	57.0	16.7	1.9		.1							100.0	2.8	3.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	13.0	4.7	.2	.1								18.0	3.8	3.0
020-040	11.6	2.6	1.8	.4	.4							16.8	4.8	3.0
050-070	8.4	2.0				.1						10.6	3.4	2.0
(E) 080-100	6.2	1.3	.6									8.1	3.8	3.0
110-130	3.7	.7	.1									4.4	3.3	2.5
140-160	1.9	.6										2.4	3.6	4.0
(S) 170-190	2.3	.8	.2									3.3	4.2	4.0
200-220	1.9	1.7	.6			.1	.1					4.3	6.6	5.0
230-250	1.1	.3	.8									2.2	6.6	5.5
(W) 260-280	.3	.1										.4	4.5	4.0
290-310	.6	.1	.1									.8	4.1	3.0
320-340	2.6	.8	.2	.1								3.7	4.0	3.0
VARIABLE														
CALM	////////////////////////////////////											24.9	////////////////////////////////	
TOTALS	53.6	15.7	4.6	.6	.4	.2	.1					100.0	3.2	3.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	.8	.3									4.0	3.8	3.0
020-040	5.0	1.3	.2		.1							6.7	3.9	3.0
050-070	4.6	2.4	.6	.4	.3							8.3	5.7	4.0
(E) 080-100	7.8	3.0	1.1	.1								12.0	4.5	3.0
110-130	7.4	2.2	.9									10.6	4.2	3.0
140-160	6.3	2.0	.1	.1								8.6	3.6	3.0
(S) 170-190	5.1	2.2	.2									7.6	3.7	3.0
200-220	4.7	5.2	2.0	.2								12.1	5.9	6.0
230-250	1.1	1.9	1.6	.7								5.2	8.5	8.0
(W) 260-280	1.0	.7	.7	.2								2.6	6.7	6.0
290-310	.9	.6	.7	.1	.1							2.3	7.7	6.0
320-340	1.1	.8										1.9	3.6	4.0
VARIABLE														
CALM	////////////////////											18.2	////////	
TOTALS	47.9	23.1	8.4	1.8	.5							100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.8	.7	.2	.1								2.8	4.9	4.0
020-040	1.2	.4		.3								2.0	5.3	3.5
050-070	1.7	.9	.1	.1								2.8	4.8	4.0
(E) 080-100	3.1	1.2	1.2	.3								5.9	5.6	4.0
110-130	3.6	1.6	.7									5.8	4.8	4.0
140-160	5.8	1.0										6.8	3.0	3.0
(S) 170-190	9.7	4.3										14.0	3.9	4.0
200-220	9.8	8.0	1.6		.1	.1						19.6	5.2	4.5
230-250	2.4	3.2	2.7			.1						8.4	7.3	7.0
(W) 260-280	1.4	1.1	1.0									3.6	6.9	7.0
290-310	.8	.6	1.0	.4								2.8	9.2	10.0
320-340	1.1	.4	.1									1.7	4.1	2.0
VARIABLE														
CALM	////////////////////////////////////											24.0	////////	
TOTALS	42.4	23.4	8.6	1.2	.1	.2						100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	2.2	.2									6.9	4.2	4.0
020-040	1.6	1.0	.1									2.7	4.3	4.0
050-070	.3	.2										.6	4.2	4.0
(E) 080-100	.9	1.3	.3									2.6	5.7	5.0
110-130	1.8	.6	.2									2.6	4.2	4.0
140-160	1.3	.2										1.6	3.3	3.0
(S) 170-190	3.9	1.2										5.1	3.4	3.0
200-220	7.3	3.8	.6	.1								11.8	4.5	4.0
230-250	6.0	2.6	.7	.1	.1							9.4	4.6	4.0
(W) 260-280	6.1	2.0	.1	.1								8.3	4.0	3.0
290-310	8.1	3.8	.6									12.4	4.3	4.0
320-340	7.7	2.0										9.7	3.4	3.0
VARIABLE														
CALM	////////////////////////////////////											26.4	////////////////////////////////	
TOTALS	49.4	20.9	2.8	.3	.1							100.0	3.1	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	23.1	8.4	.4	.2								32.2	3.9	3.0
020-040	7.4	4.1	.9									12.4	4.6	4.0
050-070	1.4	.4										1.9	3.8	3.0
(E) 080-100	.9	.7										1.6	4.3	4.0
110-130	.6	.4										1.0	4.2	4.0
140-160	.7	.3										1.0	3.4	3.0
(S) 170-190	.8	.3										1.1	4.0	4.0
200-220	2.0	1.0	.4									3.4	4.9	4.0
230-250	1.0	1.0	.2	.1	.1							2.4	6.5	5.0
(W) 260-280	1.1	.2	.2									1.6	4.4	3.0
290-310	2.4	1.3	.2									4.0	4.1	3.0
320-340	8.7	4.9	.4									14.0	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											23.3	////////	
TOTALS	50.1	23.0	2.7	.3	.1							100.0	3.2	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	16.1	6.2	.4	.1								22.7	3.8	4.0
020-040	6.6	2.3	.5	.1	.1							9.6	4.3	3.0
050-070	2.8	.9	.1	.1	.0	.0						4.0	4.1	3.0
(E) 080-100	2.7	1.0	.4	.1								4.2	4.4	3.0
110-130	2.3	.8	.2									3.3	4.1	3.0
140-160	2.3	.6	.0	.0								2.9	3.5	3.0
(S) 170-190	3.0	1.2	.1									4.3	3.8	4.0
200-220	3.5	2.9	.7	.0	.0	.0	.0					7.2	5.3	5.0
230-250	1.7	1.3	.8	.1	.0	.0						4.0	6.3	5.0
(W) 260-280	1.4	.5	.3	.1								2.3	4.9	4.0
290-310	2.3	1.0	.4	.1	.0							3.8	4.9	4.0
320-340	6.4	2.5	.2	.0								9.1	3.9	3.0
VARIABLE														
CALM	////////////////////											22.6	////////	
TOTALS	51.1	21.2	4.1	.7	.1							100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	13.9											13.9	2.6	2.0
020-040														
050-070	2.8	2.8										5.6	4.0	4.0
(E) 080-100	2.8	2.8	5.6									11.1	7.3	7.5
110-130		8.3	5.6									13.9	8.6	8.0
140-160	8.3	5.6										13.9	4.0	4.0
(S) 170-190	5.6											5.6	1.5	1.5
200-220	2.8		2.8		2.8		2.8					11.1	16.5	17.0
230-250		2.8	2.8									5.6	8.0	8.0
(W) 260-280	2.8											2.8	4.0	4.0
290-310														
320-340														
VARIABLE														
CALM	////////////////////											16.7	////////	
TOTALS	39.0	22.3	16.8		2.8		2.8					100.0	5.6	5.0

TOTAL NUMBER OF OBSERVATIONS 36

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	24.5	16.1	.6	.1								41.4	4.3	4.0
020-040	7.6	5.4	.2									13.2	4.3	4.0
050-070	1.0	.5										1.5	4.1	3.5
(E) 080-100	.6	.1										.8	2.6	2.0
110-130	.1	.1										.2	4.0	4.0
140-160	.4	.2										.6	4.3	4.0
(S) 170-190	.5	.6	.1									1.3	5.2	5.5
200-220	1.6	1.3	.3		.1							3.3	5.7	5.0
230-250	1.0	.3	.1		.1							1.5	5.6	4.0
(W) 260-280	.5		.1									.6	4.7	4.0
290-310	1.2	.4										1.6	3.7	3.0
320-340	7.3	4.8	.1									12.3	4.0	3.0
VARIABLE														
CAIM	////////////////////////////////////											21.6	////////////////////////////////	
TOTALS	46.3	29.8	1.5	.1	.2							100.0	3.4	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	23.9	14.6	.5									39.0	4.2	4.0
020-040	9.5	4.3	.1									13.9	3.9	4.0
050-070	1.6	1.0		.1								2.7	4.3	3.0
(E) 080-100	1.2	.1										1.3	2.8	3.0
110-130	.1											.1	4.0	4.0
140-160	.5	.1										.6	3.2	3.5
(S) 170-190	1.3	.6										1.9	4.4	4.0
200-220	1.0	.9	.4	.1								2.4	6.4	5.5
230-250	.9	.5										1.4	3.9	3.0
(W) 260-280	.8	.1										.9	2.8	2.5
290-310	1.4	.2										1.6	3.1	3.0
320-340	8.5	3.7	.2									12.4	3.8	4.0
VARIABLE														
CALM	////////////////////											21.8	////////	
TOTALS	50.7	26.1	1.2	.2								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	22.3	10.4	.4									33.1	4.0	4.0
020-040	9.4	4.0	.3	.2								13.9	4.2	4.0
050-070	1.9	.1	.1									2.2	3.2	2.5
(E) 080-100	1.1		.1	.1								1.3	4.6	2.5
110-130	.5	.1										.6	3.0	3.0
140-160	.2											.2	2.0	2.0
(S) 170-190	.6	.2										.9	3.6	3.5
200-220	.9	1.2	.6	.1								2.8	6.9	6.0
230-250	1.0	.5	.3									1.8	4.8	3.0
(W) 260-280	.4	.2										.6	4.0	3.5
290-310	3.0	.5	.2									3.8	3.8	3.0
320-340	11.0	3.4	.3									14.7	3.6	3.0
VARIABLE														
CALM	////////////////////////////////////											24.1	////////	
TOTALS	52.3	20.6	2.3	.4								100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64					
(W) 350-010	16.9	5.8	.6	.2								23.5	3.9	3.0	
020-040	8.9	4.1	.8	.6								14.4	4.9	4.0	
050-070	4.5	.9	.4	.1	.2							6.1	4.6	3.0	
(E) 080-100	4.2	1.2										5.4	3.1	2.0	
110-130	1.6	.1										1.7	2.6	2.0	
140-160	1.5	.3										1.8	3.1	3.0	
(S) 170-190	1.9	.8	.1									2.8	4.1	4.0	
200-220	1.4	1.1	.5	.2								3.2	6.5	5.0	
230-250	.9	.3	.2	.3								1.7	7.1	4.5	
(W) 260-280	.8	.1	.1									1.0	3.8	3.0	
290-310	.9	.2	.2									1.3	5.5	4.0	
320-340	5.2	1.3	.2	.1								6.8	3.5	2.0	
VARIABLE															
CALM	////////////////////////////////////											30.2	////////////////////////////////		
TOTALS	48.7	16.2	3.1	1.5	.2							100.0	3.0	3.0	
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	1.1	.5									5.3	3.9	3.0
020-040	2.9	1.5	1.0	.5								5.9	6.2	5.0
050-070	5.3	1.8	1.3	.1								8.5	4.8	4.0
(E) 080-100	5.9	2.3	1.0	.1								9.2	4.6	3.0
110-130	4.1	1.5										5.6	3.4	3.0
140-160	5.5	1.3										6.8	3.2	3.0
(S) 170-190	5.6	2.3	.3									8.2	4.0	3.0
200-220	3.5	2.9	1.6	.2								8.3	5.8	5.0
230-250	2.4	.5	1.5	.1	.1							4.6	7.0	4.0
(W) 260-280	.9	.4										1.3	3.7	3.0
290-310	1.0	.4	.2									1.6	4.7	4.0
320-340	1.7	.9	.2	.1								2.9	5.0	3.0
VARIABLE														
CALM	////////////////////											31.8	////////	
TOTALS	42.5	16.9	7.6	1.1	.1							100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.8	2.5	.4	.3	.1							6.1	5.8	6.0
020-040	1.4	.8	.6									2.8	5.7	4.5
050-070	1.9	1.0										2.9	4.1	4.0
(E) 080-100	2.8	1.9	.4	.1								5.3	5.4	4.0
110-130	5.2	.5	.2									5.9	3.1	2.0
140-160	5.3	1.1										6.3	3.0	2.0
(S) 170-190	6.8	2.3	.5									9.6	4.1	4.0
200-220	7.3	6.2	1.7	.2								15.5	5.6	5.0
230-250	3.1	2.5	1.2									6.8	5.7	5.0
(W) 260-280	1.1	.5	.3	.2								2.2	6.2	4.5
290-310	1.6	.5	.4									2.6	4.6	4.0
320-340	2.4	.2	.1									2.7	2.9	2.0
VARIABLE														
CALM	////////////////////////////////////											31.4	////////////////////////////////	
TOTALS	41.7	20.0	5.8	.8	.1							100.0	3.3	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.1	2.6	.3									9.0	4.0	4.0
020-040	1.6	.8	.3	.1								2.8	5.0	4.0
050-070	.2	.8	.1									1.1	6.0	5.5
(E) 080-100	.9	.8	.1									1.7	4.8	4.5
110-130	1.3	.8										2.0	3.8	3.0
140-160	1.2	.3	.1									1.6	3.9	3.0
(S) 170-190	3.0	1.7										4.7	3.8	4.0
200-220	5.5	3.7	.1									9.2	4.3	4.0
230-250	3.7	1.3	.1									5.1	4.0	4.0
(W) 260-280	2.6	1.2										3.8	4.0	3.0
290-310	8.2	3.4	.1	.1								11.8	3.7	3.0
320-340	11.2	3.1	.2									14.5	3.6	3.0
VARIABLE														
CALM	////////////////////////////////////											32.6	////////	
TOTALS	45.5	20.5	1.4	.2								100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	20.1	13.9	1.1									35.1	4.4	4.0
020-040	6.1	5.6	.6	.1								12.5	4.9	5.0
050-070	.9	.5										1.4	4.1	4.0
(E) 080-100	.9	.3	.1									1.3	4.5	4.0
110-130	.6	.1										.8	2.3	2.0
140-160	.6	.3										1.0	4.0	4.0
(S) 170-190	.9	.3										1.2	4.3	4.0
200-220	1.5	1.1	.3	.2								3.1	5.8	5.0
230-250	.9	.2	.1									1.2	4.1	3.0
(W) 260-280	.6	.1										.8	3.3	4.0
290-310	2.0	.8										2.8	3.5	4.0
320-340	10.5	5.6	.2									16.3	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											22.7	////////	
TOTALS	45.6	28.8	2.4	.3								100.0	3.4	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	15.0	8.4	.6	.1	.0							24.1	4.2	4.0
020-040	5.9	3.3	.5	.2								9.9	4.6	4.0
050-070	2.2	.8	.2	.0	.0							3.3	4.5	4.0
(E) 080-100	2.2	.8	.2	.0								3.3	4.3	3.0
110-130	1.7	.4	.0									2.1	3.2	3.0
140-160	1.9	.5	.0									2.4	3.2	3.0
(S) 170-190	2.6	1.1	.1									3.8	4.1	4.0
200-220	2.8	2.3	.7	.1	.0							6.0	5.6	5.0
230-250	1.7	.8	.4	.1	.0							3.0	5.5	4.0
(W) 260-280	1.0	.3	.1	.0								1.4	4.3	3.0
290-310	2.4	.8	.1	.0								3.4	3.9	3.0
320-340	7.2	2.9	.2	.0								10.3	3.8	3.0
VARIABLE														
CALM	////////////////////											27.0	////////	
TOTALS	46.6	22.4	3.1	.5								100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	16.0	2.1										18.1	3.2	3.0
020-040	4.3		1.1									5.3	4.6	4.0
050-070														
(E) 080-100	2.1	4.3										6.4	5.7	5.5
110-130	3.2											3.2	2.0	2.0
140-160	3.2											3.2	3.3	3.0
(S) 170-190	3.2											3.2	3.3	4.0
200-220	9.6	6.4										16.0	3.9	4.0
230-250		3.2										3.2	6.0	6.0
(W) 260-280	1.1											1.1	3.0	3.0
290-310	5.3											5.3	2.8	2.0
320-340	5.3											5.3	2.6	3.0
VARIABLE														
CALM	////////////////////////////////////											29.8	////////////////////////////////	
TOTALS	53.3	16.0	1.1									100.0	2.6	3.5

TOTAL NUMBER OF OBSERVATIONS 94

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	11.3	4.3	.3	.1	.0	.0			.0			16.1	3.9	4.0
020-040	4.5	1.8	.5	.1	.0	.0						6.9	4.5	4.0
050-070	2.1	.8	.1	.0	.0	.0	.0					3.1	4.3	3.0
(E) 080-100	2.2	1.0	.3	.1	.0	.0						3.6	4.7	4.0
110-130	2.4	1.2	.3	.0	.0	.0	.0					3.9	4.7	4.0
140-160	2.6	1.1	.1	.0	.0	.0						3.8	4.0	4.0
(S) 170-190	3.3	2.3	.4	.0	.0							6.1	4.8	4.0
200-220	4.4	6.2	2.4	.4	.1	.0	.0					13.4	6.6	6.0
230-250	3.4	3.8	1.5	.2	.1	.0	.0					9.1	6.4	6.0
(W) 260-280	2.0	.8	.2	.1	.0	.0	.0					3.1	4.7	4.0
290-310	2.2	.8	.3	.1	.0	.0						3.3	4.6	4.0
320-340	5.9	2.1	.2	.0	.0	.0						8.3	3.9	3.0
VARIABLE														
CALM	////////////////////											19.3	////	////
TOTALS	46.3	26.2	6.6	1.1	.2							100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 87641

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	9.6	1.0			.3	.3					11.3	4.5	3.0
020-040	2.7	.3	.7	.3	.7	.3					5.1	9.3	4.0
050-070	1.7	.7	.3		.3	.3	.3				3.8	10.9	6.0
(E) 080-100	2.4	3.1	1.0		.3	1.7					8.5	10.4	6.0
110-130	2.0	2.7	2.4	1.4	1.4	.3					10.2	10.8	10.0
140-160	3.4	1.4		.7	1.0						6.5	7.6	4.0
(S) 170-190	2.7	.3									3.1	3.0	3.0
200-220	4.1	3.1	1.0	.3	1.4		.3				10.2	8.6	5.0
230-250	1.0	2.0	.7	.3	.3	.3	.3				5.1	11.0	8.0
(W) 260-280	2.7		1.4								4.1	5.6	4.0
290-310	3.1		.3								3.4	3.3	2.0
320-340	2.7	1.0	.3								4.1	4.3	3.5
VARIABLE													
CALM	////////////////////										24.6	////////	
TOTALS	38.1	15.6	8.1	3.0	5.7	3.2	.9				100.0	5.9	4.0

TOTAL NUMBER OF OBSERVATIONS: 293

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRRR	TTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.4	78.7	79.6	79.6	79.8	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 20000	82.7	83.0	83.9	83.9	84.1	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 18000	82.9	83.2	84.1	84.1	84.3	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 16000	82.9	83.2	84.1	84.1	84.3	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 14000	83.9	84.2	85.1	85.1	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 12000	87.2	87.5	88.4	88.4	88.6	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 10000	90.2	90.5	91.4	91.4	91.8	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 9000	90.2	90.5	91.4	91.4	91.8	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 8000	91.9	92.3	93.1	93.1	93.5	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 7000	92.7	93.0	93.9	93.9	94.3	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 6000	94.1	94.4	95.5	95.5	95.9	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 5000	94.7	95.1	96.7	96.7	97.2	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 4500	94.8	95.2	96.8	96.8	97.3	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4000	95.4	95.7	97.3	97.3	97.8	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500	95.5	95.8	97.4	97.4	98.0	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3000	95.5	95.8	97.4	97.4	98.0	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2500	95.9	96.2	98.1	98.1	98.6	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	95.9	96.2	98.1	98.1	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	95.9	96.2	98.1	98.1	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.0	96.3	98.2	98.2	99.0	99.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.0	78.2	79.1	79.2	79.7	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
GE 20000	83.0	83.2	84.2	84.3	84.7	84.8	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1
GE 18000	83.5	83.8	84.7	84.8	85.3	85.4	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6
GE 16000	83.5	83.8	84.7	84.8	85.3	85.4	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6
GE 14000	84.9	85.2	86.1	86.2	86.7	86.8	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0
GE 12000	88.0	88.2	89.1	89.2	89.7	89.8	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
GE 10000	90.0	90.2	91.3	91.4	92.0	92.2	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
GE 9000	90.0	90.2	91.3	91.4	92.0	92.2	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
GE 8000	91.1	91.3	92.4	92.5	93.1	93.2	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
GE 7000	91.3	91.5	92.6	92.7	93.3	93.4	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 6000	91.9	92.2	93.2	93.3	94.0	94.1	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.5	94.5	94.5
GE 5000	93.5	93.8	95.2	95.3	96.1	96.2	96.5	96.5	96.5	96.5	96.6	96.6	96.7	96.7	96.7	96.7
GE 4500	93.8	94.0	95.4	95.5	96.3	96.5	96.7	96.7	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9
GE 4000	94.4	94.6	96.2	96.3	97.2	97.3	97.5	97.5	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7
GE 3500	94.6	94.8	96.6	96.7	97.5	97.6	97.8	97.8	97.8	97.8	98.0	98.0	98.1	98.1	98.1	98.1
GE 3000	94.8	95.1	96.8	96.9	97.7	97.8	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4
GE 2500	94.8	95.1	97.0	97.1	98.0	98.1	98.3	98.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6
GE 2000	95.1	95.3	97.2	97.3	98.4	98.5	98.7	98.8	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0
GE 1800	95.1	95.3	97.2	97.3	98.4	98.5	98.7	98.8	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0
GE 1500	95.2	95.4	97.3	97.4	98.5	98.6	98.8	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2
GE 1200	95.2	95.4	97.3	97.4	98.5	98.6	98.8	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2
GE 1000	95.2	95.4	97.3	97.4	98.5	98.6	98.9	99.0	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 900	95.2	95.4	97.3	97.4	98.5	98.6	98.9	99.0	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 800	95.2	95.4	97.3	97.4	98.5	98.6	98.9	99.0	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 700	95.2	95.4	97.3	97.4	98.5	98.6	98.9	99.0	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 600	95.2	95.4	97.3	97.4	98.5	98.6	98.9	99.0	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 500	95.2	95.4	97.3	97.4	98.5	98.6	98.9	99.1	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7
GE 400	95.3	95.5	97.4	97.5	98.6	98.7	99.0	99.2	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	95.3	95.5	97.4	97.5	98.6	98.7	99.0	99.2	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	95.3	95.5	97.4	97.5	98.6	98.7	99.0	99.2	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 100	95.3	95.5	97.4	97.5	98.6	98.7	99.0	99.2	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9
GE 000	95.3	95.5	97.4	97.5	98.6	98.7	99.0	99.2	99.2	99.6	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.1	74.4	75.2	75.4	75.4	75.4	75.5	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.9	76.0
GE 20000	81.6	81.9	82.7	82.9	82.9	82.9	83.0	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.4	83.5
GE 18000	82.3	82.6	83.3	83.5	83.5	83.5	83.7	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.1	84.2
GE 16000	82.3	82.6	83.3	83.5	83.5	83.5	83.7	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.1	84.2
GE 14000	83.5	83.9	84.6	84.8	84.8	84.8	84.9	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.4	85.5
GE 12000	86.9	87.2	88.0	88.2	88.2	88.2	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.7	88.8
GE 10000	89.0	89.4	90.2	90.4	90.5	90.5	90.6	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.1	91.2
GE 9000	89.2	89.6	90.4	90.6	90.8	90.8	90.9	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.3	91.4
GE 8000	90.8	91.1	91.9	92.2	92.3	92.3	92.4	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.8	92.9
GE 7000	91.0	91.3	92.2	92.4	92.5	92.5	92.6	92.7	92.7	92.9	92.9	92.9	92.9	92.9	93.0	93.1
GE 6000	91.4	91.7	92.6	92.8	92.9	92.9	93.0	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.5
GE 5000	92.8	93.1	94.0	94.2	94.3	94.4	94.6	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.2	95.3
GE 4500	93.1	93.4	94.6	94.8	95.2	95.3	95.5	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.1	96.2
GE 4000	93.4	93.8	95.2	95.4	95.7	95.8	96.0	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.7	96.8
GE 3500	93.7	94.0	95.7	95.9	96.2	96.3	96.6	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.2	97.3
GE 3000	94.0	94.3	96.2	96.5	96.9	97.0	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.1	98.2
GE 2500	94.3	94.6	96.7	96.9	97.3	97.5	98.1	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.8
GE 2000	94.4	94.7	96.8	97.0	97.5	97.7	98.3	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.9	99.0
GE 1800	94.4	94.7	96.8	97.0	97.5	97.7	98.3	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.9	99.0
GE 1500	94.5	94.8	96.9	97.1	97.7	98.0	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.2
GE 1200	94.5	94.8	97.0	97.2	97.8	98.1	98.6	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.4
GE 1000	94.5	94.8	97.0	97.2	97.8	98.1	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.4	99.5
GE 900	94.5	94.8	97.0	97.2	97.8	98.1	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.5	99.6
GE 800	94.5	94.8	97.0	97.2	97.8	98.1	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.5	99.6
GE 700	94.5	94.8	97.0	97.2	97.8	98.1	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.5	99.6
GE 600	94.5	94.8	97.0	97.2	97.8	98.1	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.5	99.6
GE 500	94.5	94.8	97.0	97.2	97.8	98.1	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.5	99.6
GE 400	94.5	94.8	97.0	97.2	97.8	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.7
GE 300	94.5	94.8	97.0	97.2	97.8	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.7
GE 200	94.5	94.8	97.0	97.2	97.8	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.7	99.8
GE 100	94.5	94.8	97.0	97.2	97.8	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.8	99.9
GE 000	94.5	94.8	97.0	97.2	97.8	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.5	73.1	73.5	73.9	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.5	74.5	74.5	74.5
GE 20000	79.9	80.8	81.2	81.5	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.2	82.2	82.2	82.2
GE 18000	80.3	81.2	81.6	81.9	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6
GE 16000	80.4	81.3	81.7	82.0	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.7
GE 14000	81.4	82.3	82.7	83.0	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.7	83.7	83.7	83.7
GE 12000	84.2	85.1	85.6	85.9	86.3	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.6	86.6	86.6	86.6
GE 10000	87.4	88.3	88.8	89.1	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.9	89.9	89.9	89.9
GE 9000	87.7	88.6	89.1	89.5	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2
GE 8000	89.5	90.3	90.9	91.2	91.6	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9
GE 7000	90.3	91.2	91.7	92.0	92.5	92.5	92.6	92.6	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8
GE 6000	91.2	92.0	92.6	92.9	93.4	93.4	93.5	93.5	93.5	93.7	93.7	93.7	93.8	93.8	93.8	93.8
GE 5000	93.0	93.9	94.4	94.7	95.3	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6
GE 4500	93.5	94.4	94.9	95.3	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2
GE 4000	94.1	95.1	95.8	96.1	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1
GE 3500	94.2	95.2	95.9	96.3	97.1	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4
GE 3000	95.3	96.2	97.0	97.5	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 2500	95.4	96.3	97.2	97.7	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 2000	95.5	96.5	97.4	98.0	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 1800	95.6	96.6	97.5	98.1	98.8	98.8	98.9	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 1500	95.7	96.7	97.6	98.2	98.9	99.0	99.1	99.1	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1200	95.8	96.8	97.7	98.3	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 1000	95.8	96.8	97.7	98.3	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 900	95.8	96.8	97.7	98.3	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 800	95.8	96.8	97.7	98.3	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 700	95.8	96.8	97.7	98.3	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 600	95.8	96.8	97.7	98.3	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 500	95.8	96.8	97.7	98.3	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 400	95.8	96.8	97.7	98.3	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7
GE 300	95.8	96.8	97.7	98.3	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7
GE 200	95.8	96.8	97.7	98.3	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7
GE 100	95.8	96.8	97.7	98.3	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.9
GE 000	95.8	96.8	97.7	98.3	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	71.9	73.2	73.9	74.2	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3
GE 20000	79.5	80.9	81.5	81.8	82.5	82.5	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0
GE 18000	80.1	81.5	82.2	82.5	83.1	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7
GE 16000	80.3	81.7	82.4	82.7	83.3	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9
GE 14000	81.7	83.1	83.8	84.1	84.7	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3
GE 12000	85.2	86.6	87.3	87.6	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8
GE 10000	87.1	88.5	89.4	89.7	90.3	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9
GE 9000	87.5	88.9	89.8	90.1	90.8	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3
GE 8000	88.4	89.8	90.8	91.1	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5
GE 7000	88.9	90.3	91.3	91.6	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0
GE 6000	89.5	90.9	91.9	92.3	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7
GE 5000	90.5	92.0	93.1	93.4	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8
GE 4500	91.3	92.8	93.9	94.2	95.1	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6
GE 4000	93.1	94.7	95.9	96.2	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6
GE 3500	93.5	95.2	96.3	96.7	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
GE 3000	94.4	96.0	97.2	97.5	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 2500	94.5	96.1	97.3	97.6	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 2000	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1800	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1500	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1200	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 1000	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 900	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 800	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 700	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7
GE 600	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
GE 500	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
GE 400	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
GE 300	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.5	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9
GE 200	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.5	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9
GE 100	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.5	99.5	99.5	99.8	99.8	99.8	99.9	99.9	100.0
GE 000	94.8	96.5	97.6	98.0	98.9	98.9	99.4	99.5	99.5	99.5	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.8	71.9	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 20000	77.5	80.1	81.1	81.3	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 18000	77.8	80.4	81.4	81.6	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 16000	78.3	80.9	81.8	82.0	82.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 14000	79.2	82.2	83.1	83.3	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 12000	82.4	85.3	86.2	86.5	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 10000	85.7	88.6	89.6	89.8	89.9	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 9000	85.8	88.7	89.7	89.9	90.0	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 8000	89.2	92.2	93.1	93.3	93.4	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 7000	89.7	92.6	93.5	93.8	93.9	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 6000	90.6	93.5	94.5	94.7	94.8	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 5000	91.8	94.7	95.7	95.9	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 4500	92.3	95.2	96.1	96.3	96.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4000	93.2	96.1	97.1	97.3	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3500	93.9	96.8	97.8	98.1	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	94.4	97.4	98.5	98.7	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	94.6	97.6	98.7	98.9	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	94.6	97.6	98.7	98.9	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	94.6	97.6	98.7	98.9	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	94.6	97.6	98.8	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	94.6	97.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	94.6	97.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	94.6	97.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	94.6	97.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	94.6	97.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	94.6	97.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.6	97.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.6	97.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.6	97.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.6	97.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.6	97.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.6	97.6	98.9	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.1	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 20000	82.9	83.7	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 18000	83.3	84.1	84.3	84.3	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 16000	83.5	84.3	84.5	84.5	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 14000	84.7	85.5	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 12000	87.5	88.3	88.5	88.5	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 10000	90.8	91.5	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 9000	91.0	91.7	91.9	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 8000	93.4	94.2	94.5	94.5	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 7000	94.0	94.7	95.1	95.1	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 6000	95.4	96.3	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 5000	96.3	97.3	97.7	97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4500	96.9	97.8	98.3	98.4	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 4000	97.4	98.4	98.8	98.9	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3500	97.5	98.5	98.9	99.0	99.0	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	97.6	98.7	99.2	99.4	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.6	98.7	99.4	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.5	78.0	78.8	78.8	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 20000	83.5	84.1	84.9	84.9	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 19000	83.9	84.4	85.3	85.3	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 16000	83.9	84.4	85.3	85.3	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 14000	84.7	85.3	86.1	86.1	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 12000	88.0	88.5	89.4	89.4	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 10000	90.3	90.9	91.7	91.7	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 9000	90.4	91.0	91.8	91.8	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 8000	92.8	93.3	94.3	94.3	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 7000	93.7	94.2	95.2	95.2	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 6000	94.8	95.4	96.3	96.5	96.7	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 5000	95.8	96.3	97.4	97.5	97.7	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4500	96.0	96.6	97.6	97.7	98.0	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4000	96.3	97.0	98.1	98.2	98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3500	96.6	97.2	98.3	98.4	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3000	96.8	97.4	98.5	98.6	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	96.9	97.5	98.6	98.7	98.9	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	97.0	97.6	98.7	98.8	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	97.0	97.6	98.7	98.8	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	97.0	97.6	98.7	98.8	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	97.0	97.6	98.7	98.8	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	97.1	97.7	98.8	98.9	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	97.1	97.7	98.8	98.9	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	97.1	97.7	98.8	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	97.1	97.7	98.8	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	97.1	97.7	98.8	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	97.1	97.7	98.8	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	97.1	97.7	98.8	98.9	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	97.1	97.7	98.8	98.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.1	97.7	98.8	98.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.1	97.7	98.8	98.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.1	97.7	98.8	98.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.9	75.6	76.3	76.5	76.7	76.8	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
GE 20000	82.3	82.2	82.9	83.1	83.3	83.4	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7
GE 18000	82.6	82.6	83.4	83.5	83.8	83.8	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.2
GE 16000	81.9	82.8	83.5	83.6	83.9	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3
GE 14000	83.0	83.9	84.7	84.8	85.1	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 12000	86.2	87.1	87.8	88.0	88.2	88.3	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6
GE 10000	88.8	89.7	90.5	90.7	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4
GE 9000	89.0	89.9	90.7	90.8	91.2	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6
GE 8000	90.9	91.8	92.6	92.8	93.1	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 7000	91.4	92.4	93.2	93.3	93.7	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 6000	92.4	93.3	94.2	94.3	94.7	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2
GE 5000	93.6	94.5	95.5	95.7	96.1	96.2	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 4500	94.0	94.9	96.0	96.1	96.6	96.7	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
GE 4000	94.7	95.7	96.8	97.0	97.4	97.5	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
GE 3500	94.9	95.9	97.1	97.3	97.8	97.9	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 3000	95.3	96.4	97.6	97.8	98.3	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 2500	95.5	96.5	97.9	98.1	98.6	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 2000	95.6	96.6	98.0	98.2	98.7	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 1800	95.6	96.7	98.0	98.2	98.8	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 1500	95.7	96.7	98.1	98.3	98.9	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	95.7	96.7	98.1	98.3	98.9	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 1000	95.7	96.7	98.1	98.3	98.9	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 900	95.7	96.7	98.1	98.3	98.9	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 800	95.7	96.7	98.1	98.3	98.9	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 700	95.7	96.7	98.1	98.3	98.9	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 600	95.7	96.7	98.1	98.3	98.9	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	95.7	96.7	98.1	98.3	98.9	99.0	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 400	95.7	96.7	98.1	98.3	98.9	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	95.7	96.7	98.1	98.3	98.9	99.1	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 200	95.7	96.7	98.1	98.3	98.9	99.1	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 100	95.7	96.7	98.1	98.3	98.9	99.1	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	100.0
GE 000	95.7	96.7	98.1	98.3	98.9	99.1	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 20000	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 18000	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 16000	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 14000	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 12000	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 10000	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 9000	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 8000	92.9	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 7000	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 6000	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 5000	96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 4500	96.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 4000	96.9	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 3500	96.9	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3000	97.5	97.6	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2500	97.8	98.0	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2000	97.8	98.2	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	97.8	98.2	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	98.1	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	98.2	98.7	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.8	76.8	76.8	76.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 20000	83.9	83.9	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 18000	83.9	83.9	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 16000	84.0	84.0	84.0	84.0	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 14000	85.0	85.0	85.0	85.0	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 12000	88.5	88.5	88.5	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 10000	91.6	91.6	91.6	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 9000	91.8	91.8	91.8	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 8000	92.9	92.9	92.9	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 7000	93.1	93.1	93.1	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 6000	93.3	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 5000	94.2	94.2	94.2	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4500	94.2	94.2	94.2	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4000	95.3	95.3	95.4	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3500	95.4	95.4	95.7	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3000	96.1	96.1	96.6	96.6	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	96.3	96.3	97.0	97.0	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2000	96.7	96.9	97.6	97.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	96.7	96.9	97.6	97.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	96.9	97.2	98.2	98.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	96.9	97.2	98.3	98.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	96.9	97.2	98.5	98.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	96.9	97.2	98.5	98.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	96.9	97.2	98.5	98.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	96.9	97.2	98.6	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	96.9	97.2	98.6	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	96.9	97.2	98.6	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	96.9	97.2	98.6	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	96.9	97.2	98.6	98.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	96.9	97.2	98.6	98.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.9	97.2	98.6	98.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.9	97.2	98.6	98.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.1	75.1	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 20000	82.2	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 18000	82.9	82.9	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 16000	82.9	82.9	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 14000	84.9	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 12000	88.1	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 10000	90.4	90.4	90.4	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 9000	90.7	90.7	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 8000	92.7	92.7	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 7000	93.3	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 6000	94.0	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 5000	94.7	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 4500	95.0	95.0	95.0	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 4000	95.7	95.7	95.7	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 3500	96.0	96.0	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3000	96.9	96.9	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	97.3	97.3	97.6	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2000	97.8	97.8	98.2	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	97.8	97.8	98.2	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	97.9	97.9	98.3	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	98.1	98.1	98.6	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	98.1	98.1	98.6	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	98.1	98.1	98.6	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	98.1	98.1	98.6	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	98.1	98.1	98.6	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	98.1	98.1	98.6	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	98.2	98.2	98.7	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	98.2	98.2	98.7	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	98.2	98.2	98.7	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	98.2	98.2	98.7	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.2	98.7	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.2	98.2	98.7	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 20000	82.2	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 18000	83.3	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 16000	83.3	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 14000	85.6	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 12000	88.3	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 10000	91.5	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 9000	91.8	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 8000	93.5	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 7000	94.0	94.0	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 6000	94.3	94.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 5000	95.2	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4500	95.6	95.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 4000	96.1	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3500	96.2	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3000	97.4	97.5	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	97.8	97.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	98.0	98.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	98.0	98.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	98.1	98.2	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.1	98.2	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.1	98.2	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.1	98.2	99.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.2	98.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.2	98.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.2	98.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.2	98.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.2	98.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.2	98.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.2	98.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.2	98.3	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.5	73.9	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 20000	83.2	83.6	83.7	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 18000	84.3	84.6	84.8	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 16000	84.5	84.9	85.0	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 14000	85.3	85.7	85.8	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 12000	87.4	87.7	87.8	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 10000	89.8	90.2	90.3	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 9000	90.1	90.4	90.5	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 8000	91.3	91.6	91.7	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 7000	91.8	92.2	92.3	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 6000	93.1	93.5	93.7	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 5000	93.9	94.2	94.4	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 4500	94.2	94.6	94.8	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4000	95.2	95.5	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3500	95.7	96.1	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3000	97.3	97.9	98.2	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	98.0	98.6	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	98.2	98.8	99.2	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	98.2	98.8	99.2	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.2	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ

PERIOD OF RECORD: MAR 81 - FEB 91

LST TO UTC: + 7

MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 20000	81.3	81.4	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 18000	82.4	82.5	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 16000	82.7	82.8	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 14000	84.5	84.6	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 12000	88.3	88.4	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 10000	90.3	90.4	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 9000	90.3	90.4	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 8000	93.4	93.5	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 7000	93.7	93.8	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 6000	95.3	95.4	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 5000	96.2	96.3	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4500	96.3	96.4	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 4000	97.6	97.8	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3500	97.6	97.8	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	98.0	98.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2500	98.0	98.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2000	98.1	98.2	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	98.1	98.2	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.1	98.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 845

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 20000	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 18000	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 16000	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 14000	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 12000	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 10000	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 9000	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 8000	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 7000	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 6000	96.9	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 5000	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4500	97.6	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4000	98.2	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3500	98.2	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3000	98.5	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	98.5	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.5	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 843

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 20000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 18000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 16000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 14000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 12000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 10000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 9000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 8000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 7000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 6000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 5000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4000	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3500	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3000	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	98.9	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	98.9	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.9	99.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.9	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.9	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.9	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.9	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.9	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.9	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.9	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.9	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.9	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.9	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.9	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 843

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.6	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 20000	82.8	82.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 18000	83.6	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 16000	83.8	83.8	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 14000	85.2	85.3	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 12000	88.5	88.6	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 10000	91.2	91.3	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 9000	91.5	91.6	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 8000	93.3	93.4	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 7000	93.6	93.7	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 6000	94.8	94.9	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 5000	95.7	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4500	95.9	96.0	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 4000	96.7	96.8	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 3500	96.8	97.0	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3000	97.6	97.7	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2500	97.8	98.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2000	98.0	98.2	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	98.0	98.2	99.0	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	98.1	98.3	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.1	98.4	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	98.1	98.4	99.2	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.1	98.4	99.2	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.2	98.4	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.2	98.4	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.2	98.4	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.2	98.4	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.2	98.4	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.2	98.4	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.2	98.4	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.4	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.2	98.4	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6761

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.4	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 20000	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 18000	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 16000	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 14000	87.8	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 12000	89.5	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 10000	92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 9000	92.7	92.8	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 8000	94.2	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 7000	94.6	94.7	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 6000	97.2	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 5000	98.4	98.5	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4500	98.5	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 4000	98.8	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3500	98.8	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	99.0	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 20000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 18000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 16000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 14000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 12000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 10000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 9000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 8000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 7000	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 6000	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 5000	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 4500	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 20000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 18000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 16000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 14000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 12000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 10000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 9000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 8000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 7000	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 6000	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 5000	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4500	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4000	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3500	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 20000	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 18000	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 16000	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 14000	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 12000	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 10000	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 9000	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 8000	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 7000	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 6000	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 5000	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4500	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4000	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3500	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 3000	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	99.1	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.5	72.6	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 20000	82.2	82.3	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 18000	82.5	82.6	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 16000	83.2	83.3	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 14000	84.3	84.4	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 12000	85.3	85.4	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 10000	87.6	87.7	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 9000	88.1	88.2	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 8000	89.0	89.1	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 7000	89.6	89.7	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 6000	91.8	91.9	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 5000	94.7	94.9	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 4500	95.2	95.4	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4000	96.8	97.0	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3500	97.1	97.3	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	98.3	98.5	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	98.5	98.7	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	98.5	98.7	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	98.5	98.7	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	98.6	98.8	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	98.7	98.9	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.7	98.9	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.7	98.9	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.7	98.9	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.7	98.9	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.7	98.9	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.7	98.9	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.7	98.9	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.7	98.9	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.7	98.9	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.7	98.9	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.7	98.9	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 20000	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 18000	83.4	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 16000	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 14000	84.9	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 12000	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 10000	87.5	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 9000	87.7	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 8000	88.6	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 7000	89.7	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 6000	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 5000	95.8	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 4500	96.2	96.3	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 4000	97.8	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 3500	98.6	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3000	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.5	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.8	73.8	73.8	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 20000	82.4	82.4	82.4	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 18000	83.4	83.4	83.4	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 16000	84.7	84.7	84.7	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 14000	85.9	85.9	85.9	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 12000	87.0	87.0	87.0	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 10000	89.6	89.6	89.6	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 9000	89.9	89.9	89.9	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 8000	91.6	91.6	91.6	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 7000	92.3	92.3	92.3	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 6000	94.7	94.8	94.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 5000	97.2	97.3	97.3	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4500	97.3	97.4	97.4	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4000	98.3	98.4	98.4	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	98.7	98.8	98.8	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3000	99.0	99.1	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.0	99.1	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.0	99.1	99.1	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	79.5	79.5	79.6	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 20000	84.8	84.8	84.9	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 18000	85.1	85.1	85.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 16000	86.2	86.2	86.3	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 14000	88.2	88.2	88.3	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 12000	89.4	89.4	89.5	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 10000	92.7	92.7	92.8	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 9000	93.3	93.3	93.4	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 8000	94.0	94.0	94.1	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 7000	94.2	94.2	94.3	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 6000	96.1	96.3	96.6	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 5000	98.0	98.2	98.4	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4500	98.3	98.5	98.7	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 4000	98.5	98.7	98.9	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	98.5	98.7	98.9	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	98.7	98.9	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	98.7	98.9	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	98.8	99.0	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	98.8	99.0	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	98.8	99.0	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.8	99.0	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.8	99.0	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.8	99.0	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.8	99.0	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.8	99.0	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.9	99.1	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.9	99.1	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.9	99.1	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.9	99.1	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.9	99.1	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.9	99.1	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.9	99.1	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.3	76.3	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 20000	83.4	83.4	83.5	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 18000	83.8	83.8	83.9	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 16000	84.7	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 14000	86.0	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 12000	87.3	87.4	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 10000	90.4	90.4	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 9000	90.8	90.8	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 8000	92.4	92.4	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 7000	93.1	93.1	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 6000	95.3	95.3	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 5000	97.2	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 4500	97.4	97.5	97.7	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4000	98.3	98.4	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	98.5	98.6	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	99.0	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.2	99.2	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.2	99.2	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.2	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.2	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.2	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.2	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.2	99.3	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.2	99.3	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.2	99.3	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.2	99.3	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.2	99.3	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.2	99.3	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.2	99.3	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.2	99.3	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.2	99.3	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.7	82.7	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 20000	90.1	90.1	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 18000	90.2	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 16000	90.3	90.3	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 14000	92.0	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 12000	94.0	94.2	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 10000	97.8	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 9000	98.1	98.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 8000	98.6	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 7000	98.7	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 6000	99.0	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 5000	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4500	99.3	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	99.3	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.3	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.6	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 20000	91.2	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 18000	91.2	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 16000	91.3	91.4	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 14000	92.2	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 12000	94.9	95.2	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 10000	97.2	97.6	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 9000	97.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 8000	97.9	98.2	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 7000	98.1	98.4	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 6000	98.3	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 5000	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4500	99.1	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	99.2	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.2	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.3	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.7	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 20000	89.2	89.3	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 18000	89.6	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 16000	89.6	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 14000	90.4	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 12000	94.1	94.3	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 10000	95.8	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 9000	95.8	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 8000	96.7	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 7000	97.1	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 6000	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 5000	99.1	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4500	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.3	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 20000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 18000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 16000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 14000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 12000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 10000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 9000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 8000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 7000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 6000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 5000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 20000	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 18000	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 16000	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 14000	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 12000	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 10000	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 9000	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 8000	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 7000	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 6000	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 5000	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 4500	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 4000	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.9	75.1	75.1	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 20000	88.0	88.3	88.3	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 18000	88.4	88.8	88.8	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 16000	4	88.8	88.8	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 14000	0	90.3	90.3	90.4	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 12000	92.1	92.4	92.4	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 10000	94.0	94.3	94.3	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 9000	94.0	94.3	94.3	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 8000	94.7	95.0	95.0	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 7000	95.0	95.3	95.3	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 6000	96.3	96.8	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 5000	98.1	98.6	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 4500	98.3	98.8	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 4000	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.3	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 20000	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 18000	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 16000	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 14000	90.0	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 12000	91.8	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 10000	95.3	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 9000	95.3	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 8000	95.6	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 7000	95.9	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 6000	97.4	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 5000	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4500	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 20000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 18000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 16000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 14000	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 12000	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 10000	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 9000	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 8000	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 7000	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 6000	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 5000	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.4	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 20000	89.6	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 18000	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 16000	89.8	90.0	90.0	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 14000	91.2	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 12000	93.5	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 10000	96.2	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 9000	96.3	96.5	96.6	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 8000	96.9	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 7000	97.2	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 6000	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 5000	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 4500	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4000	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.9	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 20000	95.1	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 18000	95.4	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 16000	95.4	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 14000	96.0	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 12000	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 10000	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 9000	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 8000	99.1	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 7000	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 6000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 20000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 18000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 16000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 14000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 12000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 10000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 9000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 8000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 7000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 20000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 18000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 16000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 14000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 12000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 10000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 9000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 8000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 7000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 20000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 18000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 16000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 14000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 12000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 10000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 9000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 20000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 18000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 16000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 14000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 12000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 10000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 9000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 8000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 7000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 20000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 18000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 16000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 14000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 12000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 10000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 9000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 8000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 7000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 6000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 5000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 ~ FEB 91
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 20000	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 18000	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 16000	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 14000	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 12000	95.8	95.8	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1
GE 10000	97.0	97.0	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
GE 9000	97.0	97.0	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
GE 8000	97.4	97.4	97.5	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 7000	97.4	97.4	97.5	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 6000	98.5	98.5	98.7	98.7	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
GE 5000	99.0	99.0	99.2	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 4500	99.0	99.0	99.2	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 4000	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 3500	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 3000	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 2500	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 2000	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1800	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1500	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1200	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1000	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 900	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 800	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 700	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 600	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	99.2	99.2	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 20000	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 18000	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 16000	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 14000	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 12000	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 10000	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 9000	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 8000	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 7000	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 6000	99.4	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 5000	99.4	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.4	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 20000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 18000	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 16000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 14000	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 12000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 10000	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 9000	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 8000	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 7000	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 6000	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 5000	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 4500	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 4000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 20000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 18000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 16000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 14000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 12000	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 10000	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 9000	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 8000	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 7000	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 6000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 20000	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 18000	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 16000	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 14000	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 12000	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 10000	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 9000	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 8000	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 7000	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 6000	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 20000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 18000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 16000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 14000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 12000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 10000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 9000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 8000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 7000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 20000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 18000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 16000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 14000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 12000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 10000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 9000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 8000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 7000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 20000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 18000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 16000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 14000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 12000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 10000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 9000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 20000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 18000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 16000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 14000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 12000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 10000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 9000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 8000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 7000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 6000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.4	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 20000	94.6	94.7	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 18000	94.6	94.7	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 16000	94.6	94.7	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 14000	95.6	95.7	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 12000	96.7	96.8	96.8	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2
GE 10000	97.7	97.8	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 9000	97.7	97.8	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 8000	98.2	98.3	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 7000	98.4	98.6	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 6000	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 5000	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 4500	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 4000	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 3500	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 3000	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 2500	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 2000	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1800	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1500	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1200	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1000	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 900	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 800	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 700	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	99.2	99.4	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 20000	94.1	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 18000	94.1	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 16000	94.1	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 14000	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 12000	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 10000	98.0	98.2	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 9000	98.0	98.2	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 8000	98.3	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 7000	98.4	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 6000	99.0	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 5000	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 4500	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 4000	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 3500	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 3000	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 2500	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 2000	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 1800	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 1500	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 1200	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 1000	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 900	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 800	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 700	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 600	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 500	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE APB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 20000	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 18000	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 16000	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 14000	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 12000	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 10000	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 9000	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 8000	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 7000	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 6000	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 5000	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 20000	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 18000	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 16000	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 14000	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 12000	92.6	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 10000	94.4	94.5	94.6	94.9	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 9000	94.4	94.5	94.6	94.9	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 8000	94.4	94.5	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3
GE 7000	95.4	95.5	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2
GE 6000	97.2	97.4	98.0	98.3	98.7	98.7	98.8	98.8	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 5000	97.5	97.8	98.5	98.8	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 4500	97.5	97.8	98.5	98.8	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 4000	97.5	97.8	98.5	98.8	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 3500	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 3000	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 2500	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 2000	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1800	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1500	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1200	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1000	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 900	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 800	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 700	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	97.6	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE APB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.1	69.1	69.1	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 20000	77.3	77.3	77.3	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 18000	77.5	77.5	77.5	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 16000	78.1	78.1	78.1	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 14000	80.5	80.5	80.5	80.6	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 12000	94.1	94.1	94.1	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 10000	96.5	96.5	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 9000	96.5	96.5	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 8000	96.5	96.5	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 7000	97.2	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 6000	98.9	99.0	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 5000	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 20000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 18000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 16000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 14000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 12000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 10000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 9000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 8000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 7000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 6000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 5000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 20000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 18000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 16000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 14000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 12000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 10000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 9000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 8000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 7000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 6000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 5000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 20000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 18000	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 16000	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 14000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 12000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 10000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 9000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 8000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 7000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 6000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE APB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 61 - FEB 91
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 20000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 18000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 16000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 14000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 12000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 10000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 9000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 8000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 7000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 20000	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 18000	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 16000	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 14000	83.4	83.5	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 12000	92.5	92.6	92.7	92.8	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 10000	93.7	93.9	94.0	94.1	94.5	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 9000	93.9	94.1	94.2	94.3	94.7	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 8000	94.4	94.6	94.7	94.8	95.3	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 7000	94.5	94.7	94.8	94.9	95.4	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.8	95.8	95.9	95.9
GE 6000	97.4	97.7	98.0	98.1	98.6	98.9	98.9	98.9	98.9	99.1	99.2	99.2	99.5	99.5	99.6	99.6
GE 5000	97.5	97.8	98.1	98.2	98.7	99.0	99.1	99.1	99.1	99.4	99.5	99.5	99.7	99.7	99.8	99.8
GE 4500	97.5	97.8	98.1	98.2	98.7	99.0	99.1	99.1	99.1	99.4	99.5	99.5	99.7	99.7	99.8	99.8
GE 4000	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 3500	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 3000	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 2500	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 2000	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 1800	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 1500	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 1200	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 1000	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 900	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 800	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 700	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 600	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 500	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 400	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 300	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 200	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 100	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0
GE 000	97.7	98.1	98.3	98.4	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.0	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 20000	77.0	77.2	77.2	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 18000	77.0	77.2	77.2	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 16000	77.0	77.2	77.2	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 14000	79.1	79.4	79.4	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 12000	91.2	91.5	91.5	91.9	92.2	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 10000	92.7	93.1	93.1	93.5	93.9	93.9	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 9000	92.7	93.1	93.1	93.5	93.9	93.9	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 8000	93.2	93.8	93.8	94.2	94.5	94.6	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 7000	93.8	94.3	94.3	94.7	95.1	95.2	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 6000	97.5	98.2	98.2	98.6	98.9	99.0	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 5000	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 4500	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 4000	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 3500	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 3000	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 2500	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 2000	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1800	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1500	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1200	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 1000	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 900	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 800	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 700	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 600	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	98.0	98.6	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 20000	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 18000	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 16000	81.8	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 14000	83.8	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 12000	93.9	94.0	94.0	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 10000	96.1	96.2	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 9000	96.1	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 8000	96.5	96.6	96.7	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 7000	97.0	97.1	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 6000	98.7	98.8	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 5000	99.0	99.2	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.0	99.2	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	99.1	99.2	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 3500	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 3000	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 2500	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 2000	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1800	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1500	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1200	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1000	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 900	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 800	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 700	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	99.1	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 20000	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 18000	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 16000	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 14000	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 12000	93.3	93.4	93.4	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 10000	95.3	95.4	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 9000	95.3	95.4	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 8000	95.3	95.4	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 7000	95.3	95.4	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 6000	99.0	99.1	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 5000	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 20000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 18000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 16000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 14000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 12000	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 10000	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 9000	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 8000	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 7000	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 6000	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 5000	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4500	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 20000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 18000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 16000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 14000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 12000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 10000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 9000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 8000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 7000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 6000	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 5000	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4000	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 20000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 18000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 16000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 14000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 12000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 10000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 9000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 8000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 7000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 6000	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 5000	98.9	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 4500	98.9	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 4000	98.9	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3500	99.0	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	99.0	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 900	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 800	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 700	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 20000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 18000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 16000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 14000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 12000	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 10000	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 9000	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 8000	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 7000	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 6000	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 5000	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3500	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 2000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 1800	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 1500	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 1200	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 1000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 900	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 800	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 700	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 600	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 500	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 400	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 300	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 200	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 100	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 20000	93.4	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 18000	93.4	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 16000	93.5	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 14000	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 12000	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4
GE 10000	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 9000	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 8000	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 7000	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 6000	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4
GE 5000	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 4500	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 4000	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 3500	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 3000	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 2500	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 2000	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1800	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1500	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1200	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 1000	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 900	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 800	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 700	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 20000	85.9	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 18000	85.9	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 16000	85.9	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 14000	87.1	87.1	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 12000	94.5	94.5	94.6	94.7	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 10000	95.7	95.7	95.8	95.9	96.2	96.2	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 9000	95.7	95.7	95.8	95.9	96.2	96.2	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 8000	95.8	95.8	96.0	96.1	96.5	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 7000	95.8	95.8	96.0	96.1	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 6000	98.4	98.4	98.6	98.7	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 5000	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 4500	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 4000	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 3500	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 3000	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 2500	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 2000	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1800	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1500	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1200	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 1000	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 900	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 800	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 700	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 600	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 500	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	98.6	98.6	98.8	98.9	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CHIL	71.8	71.8	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.5	72.5
GE 20000	78.8	78.8	79.4	79.4	79.6	79.6	79.8	79.9	79.9	80.0	80.0	80.0	80.1	80.1	80.2	80.2
GE 18000	79.0	79.0	79.6	79.6	79.8	79.8	80.0	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.4	80.4
GE 16000	79.0	79.0	79.6	79.6	79.8	79.8	80.0	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.4	80.4
GE 14000	80.9	81.0	81.5	81.5	81.7	81.7	81.9	82.0	82.0	82.2	82.2	82.2	82.3	82.3	82.4	82.4
GE 12000	89.0	89.2	90.0	90.1	90.5	90.5	91.0	91.1	91.1	91.3	91.3	91.3	91.4	91.4	91.5	91.5
GE 10000	91.0	91.2	91.9	92.0	92.5	92.5	92.9	93.0	93.0	93.2	93.2	93.2	93.3	93.3	93.4	93.4
GE 9000	91.0	91.2	91.9	92.0	92.5	92.5	92.9	93.0	93.0	93.2	93.2	93.2	93.3	93.3	93.4	93.4
GE 8000	91.3	91.5	92.4	92.5	92.9	92.9	93.3	93.4	93.4	93.7	93.7	93.7	93.8	93.8	93.9	93.9
GE 7000	91.6	91.8	92.7	92.8	93.2	93.2	93.7	93.8	93.8	94.0	94.0	94.0	94.1	94.1	94.3	94.3
GE 6000	96.5	96.7	97.5	97.6	98.2	98.2	98.8	98.9	98.9	99.2	99.2	99.2	99.5	99.5	99.7	99.7
GE 5000	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 4500	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 4000	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 3500	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 3000	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 2500	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 2000	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 1800	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 1500	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 1200	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 1000	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 900	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 800	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 700	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 600	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 500	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 400	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 300	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 200	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 100	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0
GE 000	96.8	97.0	97.8	98.0	98.5	98.5	99.1	99.2	99.2	99.6	99.6	99.6	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5
GE 20000	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 18000	84.5	84.5	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8
GE 16000	84.7	84.7	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 14000	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 12000	94.2	94.3	94.4	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8
GE 10000	96.1	96.2	96.3	96.3	96.4	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 9000	96.1	96.2	96.3	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7
GE 8000	96.2	96.3	96.4	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
GE 7000	96.3	96.4	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
GE 6000	98.5	98.5	98.7	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 5000	98.8	98.9	99.1	99.1	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 4500	98.8	98.9	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 4000	98.9	99.0	99.2	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 3500	98.9	99.0	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.0	99.1	99.3	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 2500	99.1	99.1	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 2000	99.1	99.2	99.4	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 1800	99.1	99.2	99.4	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 1500	99.1	99.2	99.4	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 1200	99.1	99.2	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.1	99.2	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 900	99.1	99.2	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 800	99.1	99.2	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 700	99.1	99.2	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 600	99.1	99.2	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	99.1	99.2	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	99.1	99.2	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	99.1	99.2	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	99.1	99.2	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	99.1	99.2	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	99.1	99.2	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 20000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 18000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 16000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 14000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 12000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 10000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 9000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 8000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 7000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 6000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 5000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 20000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 18000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 16000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 14000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 12000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 10000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 9000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 8000	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 7000	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 6000	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 5000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 20000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 18000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 16000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 14000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 12000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 10000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 9000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 8000	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 7000	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 6000	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 5000	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 20000	86.3	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 18000	86.3	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 16000	86.3	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 14000	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 12000	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 10000	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 9000	96.1	96.3	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 8000	96.1	96.3	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 7000	96.4	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 6000	97.8	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 5000	98.7	98.9	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4500	98.7	98.9	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4000	98.8	99.0	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	98.8	99.0	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.0	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.0	99.2	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 20000	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 18000	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 16000	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 14000	90.2	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 12000	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 10000	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 9000	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 8000	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 7000	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 6000	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 5000	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 4500	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4000	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 20000	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 18000	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 16000	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 14000	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 12000	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 10000	96.2	96.3	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 9000	96.9	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 8000	97.0	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 7000	97.0	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 6000	98.2	98.3	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 5000	99.0	99.1	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	99.0	99.1	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	99.2	99.3	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.2	99.3	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.2	99.3	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.2	99.3	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.3	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 20000	88.7	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 18000	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 16000	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 14000	90.1	90.1	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 12000	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 10000	96.0	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 9000	96.3	96.3	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 8000	96.7	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 7000	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 6000	98.1	98.1	98.1	98.3	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 5000	98.9	98.9	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 4500	98.9	98.9	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 4000	98.9	98.9	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 3500	98.9	98.9	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 3000	98.9	98.9	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 2500	98.9	98.9	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 2000	98.9	98.9	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1800	98.9	98.9	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1500	98.9	98.9	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1200	98.9	98.9	99.0	99.2	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 1000	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 900	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 800	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 700	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	98.9	98.9	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 20000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 18000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 16000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 14000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 12000	94.4	94.6	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 10000	96.2	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 9000	96.4	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 8000	96.4	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 7000	96.7	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 6000	98.2	98.4	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 5000	98.6	98.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4500	98.6	98.8	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4000	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 20000	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 18000	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 16000	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 14000	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 12000	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 10000	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 9000	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 8000	96.8	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 7000	96.9	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 6000	98.4	98.5	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 5000	99.1	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4500	99.2	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 4000	99.3	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 3500	99.3	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 3000	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 1800	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 1500	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 1200	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 20000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 18000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 16000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 14000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 12000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 10000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 9000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 8000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 7000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 6000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 20000	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 18000	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 16000	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 14000	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 9000	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 8000	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 7000	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 6000	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 5000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 20000	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 18000	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 16000	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 14000	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 12000	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 10000	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 9000	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 8000	96.3	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 7000	96.3	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 6000	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 5000	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 4500	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 4000	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 20000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 18000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 16000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 14000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 12000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 10000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 9000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 8000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 7000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 6000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 5000	98.5	98.5	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4500	98.7	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4000	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3500	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	99.5	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	99.5	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 20000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 18000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 16000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 14000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 12000	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 10000	95.5	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 9000	95.8	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 8000	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 7000	96.6	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 6000	97.4	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 5000	98.7	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	98.7	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4000	99.1	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	99.1	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 20000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 18000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 16000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 14000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 12000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 10000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 9000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 8000	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 7000	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 6000	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 5000	99.5	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.5	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	99.5	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.5	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.5	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 20000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 18000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 16000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 14000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 12000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 10000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 9000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 8000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 7000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 6000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 5000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 20000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 18000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 16000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 14000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 12000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 10000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 9000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 8000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 7000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 6000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 5000	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 20000	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 18000	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 16000	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 14000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 12000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 10000	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 9000	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 8000	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 7000	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 6000	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 5000	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 4500	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4000	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 20000	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 18000	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 16000	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 14000	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 12000	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 10000	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 9000	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 8000	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 7000	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 6000	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 5000	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4500	97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4000	97.6	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3500	97.6	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3000	98.2	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	98.3	98.4	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	98.3	98.4	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	98.3	98.4	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 500	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	98.3	98.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.8	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 20000	87.8	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 18000	87.9	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 16000	88.4	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 14000	90.1	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 12000	92.8	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 10000	94.6	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 9000	94.9	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 8000	95.6	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 7000	95.9	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 6000	96.2	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 5000	97.0	97.1	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 4500	97.2	97.3	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4000	97.6	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 3500	97.9	98.0	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3000	98.3	98.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	98.4	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	98.6	98.7	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	98.6	98.7	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	98.6	98.7	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	98.6	98.7	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	98.6	98.7	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	98.7	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	98.7	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	98.7	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	98.7	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	98.7	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	98.7	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	98.7	98.8	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.7	98.8	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.7	98.8	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.7	98.8	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.8	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2
GE 20000	87.0	87.0	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7
GE 18000	87.4	87.4	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1
GE 16000	87.4	87.4	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1
GE 14000	88.2	88.2	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9
GE 12000	90.8	90.9	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.6
GE 10000	92.8	92.9	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.6
GE 9000	93.0	93.1	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8
GE 8000	94.2	94.3	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0
GE 7000	94.7	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
GE 6000	95.1	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9
GE 5000	96.0	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8
GE 4500	96.3	96.4	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2
GE 4000	97.0	97.1	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9
GE 3500	97.7	97.8	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6
GE 3000	97.9	98.0	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 2500	98.1	98.2	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.1
GE 2000	98.4	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.6
GE 1800	98.4	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.6
GE 1500	98.4	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.6
GE 1200	98.4	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.6
GE 1000	98.4	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.6
GE 900	98.4	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.6
GE 800	98.4	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.6
GE 700	98.4	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.6
GE 600	98.4	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.6
GE 500	98.4	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8
GE 400	98.4	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8
GE 300	98.4	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8
GE 200	98.4	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.9
GE 100	98.4	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.9
GE 000	98.4	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 20000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 18000	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 16000	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 14000	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 12000	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 10000	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 9000	92.8	93.0	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 8000	94.4	94.7	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 7000	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 6000	95.4	95.7	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 5000	96.6	96.8	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4500	97.4	97.7	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4000	98.0	98.2	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3500	98.3	98.6	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3000	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.1	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.1	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.1	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.1	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.1	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.1	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.4	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASEEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.8	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 20000	88.2	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 18000	88.3	88.8	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 16000	88.3	88.8	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 14000	89.2	89.7	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 12000	90.1	90.6	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 10000	92.7	93.1	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 9000	92.9	93.3	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 8000	94.0	94.4	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 7000	94.1	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 6000	95.0	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 5000	96.1	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4500	96.3	96.8	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 4000	97.2	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500	97.4	97.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	98.1	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2500	98.1	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	98.2	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	98.2	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	98.2	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	98.3	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	98.3	98.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.3	98.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.3	98.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.3	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.3	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.3	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.3	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.3	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.3	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.3	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.3	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.4	77.7	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 20000	86.4	86.7	86.8	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 18000	86.8	87.0	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 16000	87.4	87.7	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 14000	88.9	89.1	89.2	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 12000	90.1	90.3	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 10000	93.3	93.6	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 9000	93.3	93.6	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 8000	94.2	94.4	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 7000	94.4	94.7	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 6000	95.2	95.4	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 5000	96.1	96.3	96.4	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4500	96.3	96.6	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4000	97.3	97.6	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3500	97.4	97.7	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3000	97.6	97.8	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2500	97.6	97.8	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 2000	97.6	97.8	98.2	98.6	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	97.6	97.8	98.2	98.6	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	97.6	97.8	98.2	98.6	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	97.6	97.8	98.2	98.9	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	97.6	97.8	98.4	99.1	99.4	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 900	97.6	97.8	98.4	99.1	99.4	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 800	97.6	97.8	98.6	99.2	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 700	97.6	97.8	98.6	99.2	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 600	97.6	97.8	98.6	99.2	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 500	97.6	97.8	98.6	99.2	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	97.6	97.8	98.6	99.2	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	97.6	97.8	98.6	99.2	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	97.6	97.8	98.6	99.2	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	97.6	97.8	98.6	99.2	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	97.6	97.8	98.6	99.2	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 20000	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 18000	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 16000	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 14000	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 12000	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 10000	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 9000	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 8000	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 7000	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 6000	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 5000	96.8	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4500	96.8	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4000	97.1	97.1	97.4	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3500	97.2	97.2	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	97.8	97.9	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2500	97.8	97.9	98.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2000	97.8	97.9	98.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	97.8	97.9	98.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	97.8	97.9	98.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	98.1	98.2	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	98.3	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.3	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.3	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.3	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.3	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.3	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.3	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.3	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.3	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.3	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.3	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

D - 2 - 97

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.7	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 20000	89.0	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 18000	89.3	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 16000	89.7	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 14000	91.1	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 12000	92.1	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 10000	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 9000	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 8000	95.1	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 7000	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 6000	96.1	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 5000	96.4	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4500	96.6	96.9	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4000	96.8	97.1	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3500	96.8	97.2	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3000	97.1	97.6	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2500	97.1	97.6	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	97.3	97.8	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	97.3	97.8	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	97.3	97.8	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	97.3	97.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	97.6	98.0	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	97.6	98.0	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	97.6	98.0	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	97.6	98.0	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	97.6	98.0	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	97.6	98.0	99.2	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	97.6	98.0	99.2	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	97.6	98.0	99.2	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.6	98.0	99.2	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.6	98.0	99.2	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.6	98.0	99.2	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.9	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 20000	87.6	87.7	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 18000	87.8	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 16000	88.2	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 14000	89.6	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 12000	91.2	91.4	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 10000	93.6	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 9000	93.8	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 8000	94.8	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
GE 7000	95.1	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 6000	95.8	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 5000	96.5	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2
GE 4500	96.8	97.0	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 4000	97.3	97.5	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3500	97.5	97.8	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3000	98.0	98.2	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2500	98.1	98.3	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	98.2	98.4	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	98.2	98.4	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
GE 1500	98.2	98.4	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	98.2	98.5	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	98.3	98.5	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 900	98.3	98.5	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	98.3	98.5	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	98.3	98.5	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	98.3	98.5	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	98.3	98.6	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.3	98.6	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	98.3	98.6	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	98.3	98.6	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	98.3	98.6	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	98.3	98.6	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.3	82.6	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 20000	86.1	86.5	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 18000	86.1	86.5	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 16000	86.2	86.6	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 14000	87.4	87.7	88.1	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 12000	88.5	88.8	89.1	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 10000	90.0	90.3	90.6	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 9000	90.0	90.3	90.6	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 8000	91.2	91.6	92.3	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1
GE 7000	91.7	92.4	93.0	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9
GE 6000	92.6	93.2	93.9	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7
GE 5000	93.8	94.4	95.1	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9
GE 4500	94.0	94.6	95.3	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1
GE 4000	95.2	95.9	96.7	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 3500	95.3	96.0	96.9	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1
GE 3000	95.6	96.3	97.2	97.7	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
GE 2500	95.7	96.5	97.3	97.8	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
GE 2000	95.7	96.5	97.3	97.8	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
GE 1800	95.7	96.5	97.3	97.8	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
GE 1500	95.7	96.5	97.4	98.0	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
GE 1200	95.8	96.6	97.6	98.2	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4
GE 1000	95.8	96.6	97.6	98.2	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4
GE 900	95.9	96.7	97.7	98.3	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 800	96.0	96.8	97.8	98.4	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
GE 700	96.0	96.8	97.8	98.4	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 600	96.0	96.8	97.8	98.4	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 500	96.0	96.8	97.8	98.4	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 400	96.1	96.9	98.0	98.5	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	96.1	96.9	98.0	98.5	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	96.1	96.9	98.0	98.5	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	96.1	96.9	98.0	98.5	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	96.1	96.9	98.0	98.5	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.2	78.4	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 20000	83.1	83.3	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 18000	83.1	83.3	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 16000	83.3	83.5	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 14000	84.4	84.6	84.8	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 12000	86.8	87.0	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 10000	89.7	89.9	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 9000	89.8	90.0	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 8000	91.5	91.8	92.3	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 7000	92.3	92.6	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 6000	93.1	93.4	93.9	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 5000	93.9	94.2	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 4500	94.2	94.5	94.9	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 4000	95.2	95.5	95.9	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 3500	95.4	95.7	96.1	96.7	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 3000	95.9	96.2	96.7	97.2	97.7	97.7	97.8	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1
GE 2500	96.0	96.3	96.8	97.3	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 2000	96.1	96.5	97.1	97.8	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 1800	96.2	96.6	97.2	98.0	98.6	98.6	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 1500	96.2	96.6	97.2	98.0	98.6	98.6	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 1200	96.2	96.6	97.2	98.0	98.6	98.6	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 1000	96.5	96.8	97.5	98.3	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4
GE 900	96.7	97.0	97.7	98.5	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 800	96.7	97.0	97.7	98.5	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 700	96.7	97.0	97.7	98.5	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 600	96.7	97.0	97.7	98.5	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	96.7	97.0	97.7	98.5	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 400	96.7	97.0	97.7	98.5	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 300	96.7	97.0	97.8	98.6	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	96.8	97.1	98.1	98.8	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	96.8	97.1	98.1	98.8	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	96.8	97.1	98.1	98.8	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.3	74.7	75.1	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7
GE 20000	81.2	81.6	81.9	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6
GE 18000	81.3	81.7	82.0	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7
GE 16000	81.3	81.7	82.0	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7
GE 14000	81.6	82.0	82.4	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0
GE 12000	84.7	85.2	85.5	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1
GE 10000	87.7	88.3	88.6	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2
GE 9000	88.0	88.5	88.8	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5
GE 8000	89.4	90.0	90.3	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0
GE 7000	89.7	90.4	90.8	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4
GE 6000	90.4	91.3	91.6	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 5000	91.3	92.3	92.6	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3
GE 4500	91.4	92.5	92.8	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7
GE 4000	92.5	93.5	93.9	94.4	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3
GE 3500	92.7	93.8	94.2	94.7	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.7	95.7	95.7
GE 3000	93.7	94.8	95.4	95.9	96.6	96.6	96.7	96.7	96.7	96.8	96.9	96.9	97.1	97.1	97.1	97.1
GE 2500	94.0	95.2	95.7	96.3	97.0	97.0	97.1	97.2	97.2	97.3	97.4	97.4	97.6	97.6	97.6	97.6
GE 2000	94.4	95.6	96.1	96.9	97.5	97.5	97.6	97.7	97.7	97.8	98.0	98.0	98.2	98.2	98.2	98.2
GE 1800	94.4	95.6	96.1	96.9	97.5	97.5	97.6	97.7	97.7	97.8	98.0	98.0	98.2	98.2	98.2	98.2
GE 1500	94.7	96.3	96.9	97.6	98.3	98.3	98.4	98.5	98.5	98.6	98.8	98.8	99.0	99.0	99.0	99.0
GE 1200	94.8	96.5	97.0	97.8	98.5	98.5	98.6	98.7	98.7	98.9	99.1	99.1	99.4	99.4	99.4	99.4
GE 1000	94.8	96.5	97.0	97.8	98.5	98.5	98.7	98.8	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.5
GE 900	94.8	96.5	97.0	97.8	98.5	98.5	98.7	98.8	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.5
GE 800	94.8	96.5	97.0	97.8	98.5	98.5	98.7	98.8	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.5
GE 700	94.8	96.5	97.0	97.8	98.5	98.5	98.7	98.8	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.5
GE 600	94.8	96.5	97.0	97.8	98.5	98.5	98.7	98.8	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.5
GE 500	94.8	96.5	97.0	97.8	98.6	98.6	98.8	98.9	98.9	99.1	99.4	99.4	99.6	99.6	99.6	99.6
GE 400	94.8	96.5	97.0	97.8	98.6	98.6	98.8	98.9	98.9	99.1	99.4	99.4	99.6	99.6	99.6	99.6
GE 300	94.9	96.6	97.1	98.0	98.7	98.7	98.9	99.0	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8
GE 200	94.9	96.6	97.1	98.0	98.7	98.7	98.9	99.0	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8
GE 100	94.9	96.6	97.1	98.0	98.7	98.7	98.9	99.0	99.0	99.2	99.5	99.5	99.8	99.8	99.8	100.0
GE 000	94.9	96.6	97.1	98.0	98.7	98.7	98.9	99.0	99.0	99.2	99.5	99.5	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.0	72.3	72.7	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 20000	80.3	80.5	81.0	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 18000	80.6	80.9	81.3	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 16000	81.1	81.3	81.7	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 14000	82.2	82.4	82.8	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 12000	84.3	84.5	84.9	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 10000	86.6	86.8	87.2	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 9000	86.8	87.7	87.5	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 8000	89.2	89.5	90.0	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 7000	89.7	89.9	90.5	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 6000	91.1	91.4	92.0	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 5000	92.0	92.6	93.5	94.0	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 4500	92.3	92.8	93.8	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 4000	93.0	93.5	94.5	94.9	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 3500	93.0	93.5	94.5	94.9	95.5	95.5	95.5	95.5	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 3000	94.2	94.9	96.0	96.5	97.1	97.1	97.1	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4
GE 2500	94.3	95.1	96.1	96.6	97.2	97.2	97.2	97.2	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	94.4	95.2	96.2	96.7	97.6	97.6	97.6	97.6	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	94.4	95.2	96.2	96.7	97.6	97.6	97.6	97.6	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	94.6	95.4	96.5	96.9	97.8	97.8	97.8	97.8	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	94.6	95.4	96.5	96.9	98.0	98.2	98.2	98.2	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	94.6	95.5	96.6	97.0	98.1	98.3	98.3	98.3	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	94.7	95.6	96.7	97.1	98.2	98.5	98.5	98.5	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	94.7	95.6	96.7	97.2	98.3	98.6	98.6	98.6	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	94.7	95.6	96.7	97.2	98.3	98.6	98.6	98.6	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	94.7	95.6	96.7	97.2	98.3	98.6	98.6	98.6	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	94.7	95.6	96.7	97.2	98.3	98.6	98.6	98.6	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	94.7	95.6	96.7	97.2	98.3	98.6	98.6	98.6	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	94.7	95.6	96.7	97.2	98.3	98.6	98.6	98.6	98.9	99.2	99.6	99.6	99.7	99.7	99.7	99.7
GE 200	94.7	95.6	96.7	97.2	98.3	98.6	98.6	98.6	98.9	99.4	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	94.7	95.6	96.7	97.2	98.3	98.6	98.6	98.6	98.9	99.4	99.8	99.8	99.9	99.9	99.9	100.0
GE 000	94.7	95.6	96.7	97.2	98.3	98.6	98.6	98.6	98.9	99.4	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	71.4	72.3	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 20000	79.9	80.8	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 18000	80.1	81.0	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 16000	80.8	81.6	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 14000	81.9	82.8	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 12000	83.5	84.5	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 10000	85.6	86.6	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 9000	85.8	86.8	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 8000	88.2	89.4	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 7000	89.2	90.4	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 6000	89.4	90.5	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 5000	89.7	90.9	92.8	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 4500	89.9	91.1	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 4000	91.1	92.6	94.6	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3500	91.5	93.0	95.1	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 3000	92.6	94.1	96.2	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2500	92.8	94.3	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	93.1	94.6	96.8	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	93.3	94.8	97.0	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500	93.4	94.9	97.1	97.6	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	93.5	95.1	97.3	97.8	98.3	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	93.5	95.1	97.4	98.0	98.4	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	93.5	95.1	97.4	98.0	98.4	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	93.5	95.1	97.6	98.2	98.6	99.0	99.1	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 700	93.5	95.1	97.6	98.2	98.6	99.0	99.1	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 600	93.5	95.1	97.6	98.3	98.7	99.1	99.2	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	93.5	95.1	97.6	98.3	98.8	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	93.5	95.1	97.6	98.3	98.8	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	93.5	95.1	97.6	98.3	98.9	99.4	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	93.5	95.1	97.6	98.3	98.9	99.4	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	93.5	95.1	97.6	98.3	98.9	99.4	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	93.5	95.1	97.6	98.3	98.9	99.4	99.6	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.6	71.9	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 20000	78.6	79.9	80.6	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 18000	79.9	81.2	82.0	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 16000	80.2	81.5	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 14000	81.9	83.2	84.2	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 12000	84.3	85.6	86.6	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 10000	86.9	88.2	89.2	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 9000	87.1	88.4	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 8000	89.5	91.0	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 7000	90.3	91.8	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 6000	91.6	93.3	94.5	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 5000	92.0	93.9	95.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 4500	92.7	94.7	95.9	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 4000	93.3	95.4	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3500	93.5	95.6	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 3000	94.1	96.1	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	94.2	96.2	97.4	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	94.3	96.3	97.5	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	94.3	96.3	97.5	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	94.6	96.7	97.8	98.4	98.7	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	94.6	96.7	97.8	98.4	98.7	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	94.6	96.7	98.1	98.6	99.0	99.0	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	94.6	96.7	98.1	98.6	99.0	99.0	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	94.6	96.7	98.1	98.6	99.0	99.0	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	94.7	96.9	98.3	98.8	99.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	94.7	96.9	98.3	98.8	99.2	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	94.7	96.9	98.3	98.8	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	94.7	96.9	98.3	98.8	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.7	96.9	98.3	98.8	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.7	96.9	98.3	98.8	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.7	96.9	98.3	98.8	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.7	96.9	98.3	98.8	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 20000	83.4	83.5	83.5	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 18000	84.0	84.1	84.1	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 16000	84.0	84.1	84.1	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 14000	86.1	86.2	86.2	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 12000	87.4	87.5	87.5	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 10000	89.9	90.2	90.2	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 9000	89.9	90.2	90.2	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 8000	91.9	92.5	92.5	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 7000	92.7	93.2	93.2	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 6000	94.1	94.6	94.8	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 5000	94.9	95.5	95.7	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 4500	95.3	95.8	96.0	96.2	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 4000	96.6	97.1	97.3	97.6	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3500	96.6	97.1	97.3	97.6	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	96.9	97.4	97.6	98.0	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2500	96.9	97.4	97.7	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2000	97.0	97.5	98.0	98.3	98.7	98.8	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	97.0	97.5	98.0	98.3	98.7	98.8	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	97.0	97.5	98.0	98.3	98.9	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	97.0	97.5	98.0	98.3	99.0	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	97.0	97.5	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	97.0	97.5	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	97.0	97.5	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	97.0	97.5	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	97.0	97.5	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	97.0	97.5	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	97.0	97.5	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.0	97.5	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.0	97.5	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.0	97.5	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.0	97.5	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	79.5	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.3	80.3	80.3	80.3
GE 20000	85.3	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.1	86.1	86.1	86.1
GE 18000	85.6	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.5	86.5	86.5	86.5
GE 16000	85.7	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.6	86.6	86.6	86.6
GE 14000	87.7	88.2	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6
GE 12000	89.0	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.9	89.9	89.9	89.9
GE 10000	90.1	90.5	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0
GE 9000	90.1	90.5	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0
GE 8000	92.6	93.2	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.9	93.9	93.9	93.9
GE 7000	93.1	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4	94.4	94.4	94.4
GE 6000	94.4	95.2	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.9	95.9	95.9	95.9
GE 5000	94.9	95.7	96.1	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.9	96.9	96.9	96.9
GE 4500	95.4	96.1	96.6	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.3
GE 4000	96.1	96.9	97.5	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3
GE 3500	96.1	96.9	97.5	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3
GE 3000	96.2	97.0	97.6	98.0	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.8	99.0	99.0	99.0	99.0
GE 2500	96.2	97.0	97.6	98.0	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1
GE 2000	96.3	97.1	97.8	98.2	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.4	99.4	99.4	99.4
GE 1800	96.3	97.1	97.8	98.2	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.4	99.4	99.4	99.4
GE 1500	96.5	97.2	98.0	98.3	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 1200	96.5	97.2	98.0	98.3	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 1000	96.5	97.2	98.0	98.3	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 900	96.5	97.2	98.0	98.3	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 800	96.5	97.2	98.0	98.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8
GE 700	96.5	97.2	98.0	98.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 600	96.5	97.2	98.0	98.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 500	96.5	97.2	98.0	98.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 400	96.5	97.2	98.0	98.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 300	96.5	97.2	98.0	98.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 200	96.5	97.2	98.0	98.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 100	96.5	97.2	98.0	98.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	100.0	100.0	100.0	100.0
GE 000	96.5	97.2	98.0	98.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CRIL	75.6	76.1	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 20000	82.2	82.7	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6
GE 18000	82.6	83.1	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0
GE 16000	82.8	83.3	83.8	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 14000	84.2	84.7	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.6
GE 12000	86.1	86.6	87.1	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 10000	88.3	88.8	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 9000	88.4	89.0	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 8000	90.4	91.1	91.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 7000	91.1	91.8	92.5	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0
GE 6000	92.1	92.9	93.6	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 5000	92.8	93.7	94.4	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1
GE 4500	93.1	94.0	94.8	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 4000	94.1	95.1	95.9	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8
GE 3500	94.3	95.2	96.0	96.4	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0
GE 3000	94.9	95.9	96.8	97.2	97.7	97.7	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
GE 2500	95.0	96.0	96.9	97.3	97.9	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 2000	95.2	96.2	97.1	97.6	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 1800	95.2	96.2	97.2	97.6	98.3	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	95.3	96.4	97.4	97.9	98.6	98.6	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.1	99.1
GE 1200	95.4	96.4	97.4	98.0	98.7	98.7	98.8	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	95.4	96.5	97.5	98.1	98.8	98.9	99.0	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	95.5	96.5	97.6	98.1	98.8	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5
GE 800	95.5	96.5	97.6	98.2	98.9	99.0	99.2	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6
GE 700	95.5	96.6	97.6	98.2	99.0	99.1	99.3	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
GE 600	95.5	96.6	97.6	98.2	99.0	99.1	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	95.5	96.6	97.6	98.2	99.0	99.1	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8
GE 400	95.5	96.6	97.7	98.2	99.0	99.1	99.3	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	95.5	96.6	97.7	98.3	99.0	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	95.5	96.6	97.7	98.3	99.1	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	95.5	96.6	97.7	98.3	99.1	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	95.5	96.6	97.7	98.3	99.1	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.3	80.4	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 20000	86.7	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 18000	86.9	87.1	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 16000	87.2	87.4	87.5	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 14000	88.5	88.7	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 12000	92.1	92.3	92.5	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 10000	94.3	94.5	94.6	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 9000	94.4	94.6	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 8000	95.3	95.5	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0
GE 7000	95.6	95.8	96.0	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 6000	96.8	97.0	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 5000	97.6	97.8	98.1	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4500	97.7	97.9	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 4000	98.1	98.3	98.6	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	98.2	98.4	98.8	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
GE 3000	98.4	98.7	99.0	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 2500	98.5	98.7	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	98.5	98.8	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	98.5	98.8	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	98.6	98.8	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	98.6	98.9	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	98.6	98.9	99.3	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.6	98.9	99.3	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.6	98.9	99.3	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.6	98.9	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.6	98.9	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.6	98.9	99.3	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.6	98.9	99.3	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	98.6	98.9	99.3	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	98.6	98.9	99.3	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	98.6	98.9	99.3	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	98.6	98.9	99.3	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 87641

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	47.0	25.4	15.9	11.7		27.6	1.0	930
03-05	47.4	23.4	15.6	13.3	.2	29.1	1.5	930
06-08	31.8	34.3	21.2	12.3	.4	33.9	1.9	930
09-11	21.5	38.3	25.3	14.6	.3	40.2	1.4	930
12-14	18.6	41.2	26.1	13.9	.2	40.2	1.7	930
15-17	17.6	39.7	26.9	15.8		42.7	1.2	930
18-20	25.9	37.7	22.0	14.3		36.3	.4	930
21-23	42.9	25.9	18.9	12.3		31.2	1.0	930
ALL HOURS	31.6	33.2	21.5	13.5	.1	35.2	1.3	7440

MONTH: FEB HOURS: ALL

00-02	38.8	26.8	18.1	16.3		34.4		846
03-05	43.5	22.8	17.7	16.0		33.7		846
06-08	27.3	34.8	22.3	15.6		37.9	.1	846
09-11	16.5	38.5	28.1	16.8		44.9		846
12-14	14.3	36.6	32.2	16.9		49.1	.2	846
15-17	12.7	35.5	31.7	20.1		51.8	.1	845
18-20	17.4	35.9	29.3	17.3		46.6		843
21-23	34.3	28.7	20.9	16.1		37.0		843
ALL HOURS	25.6	32.5	25.0	16.9		41.9	.1	6761

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02	44.0	27.5	13.4	15.1	28.5		930
03-05	46.3	25.7	15.6	12.4	28.0		930
06-08	29.1	38.1	20.8	12.0	32.8		930
09-11	21.3	40.2	24.2	14.3	38.5	.3	930
12-14	13.9	40.9	27.6	17.6	45.3	.1	930
15-17	10.9	40.4	31.9	16.8	48.7	.2	930
18-20	16.3	42.7	24.0	17.0	41.0	.3	930
21-23	37.0	33.2	16.0	13.8	29.8	.3	930
ALL HOURS	27.4	36.1	21.7	14.9	36.6	.2	7440

MONTH: APR HOURS: ALL

00-02	44.2	27.9	19.9	8.0	27.9		900
03-05	46.1	28.8	17.1	8.0	25.1		900
06-08	25.4	43.4	23.7	7.4	31.1		900
09-11	21.6	45.8	24.1	8.6	32.7		900
12-14	12.4	51.3	24.8	11.4	36.2	.6	900
15-17	9.7	49.7	28.2	12.4	40.7	.7	900
18-20	15.3	46.7	28.2	9.8	38.0	.3	900
21-23	36.7	35.0	18.6	9.8	28.3		900
ALL HOURS	26.4	41.1	23.1	9.4	32.5	.2	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02	57.6	26.8	11.4	4.2	15.6	.2	930
03-05	52.7	31.1	12.8	3.4	16.2		930
06-08	34.8	44.1	18.4	2.7	21.1		930
09-11	31.1	46.5	18.6	3.9	22.5		930
12-14	21.5	55.8	18.2	4.5	22.7		930
15-17	19.2	56.1	20.8	3.9	24.6	.2	930
18-20	25.8	46.9	21.9	5.4	27.3	.4	930
21-23	50.8	29.4	14.2	5.7	19.9	.3	930
ALL HOURS	36.7	42.1	17.0	4.2	21.2	.1	7440

MONTH: JUN HOURS: ALL

00-02	62.4	21.1	12.0	4.4	16.4		900
03-05	54.7	29.6	13.3	2.4	15.8	.2	900
06-08	40.0	41.7	15.7	2.7	18.3		900
09-11	39.6	43.8	12.4	4.2	16.7		900
12-14	28.4	57.1	11.1	3.3	14.4		900
15-17	24.1	60.2	11.7	4.0	15.7	.1	900
18-20	31.7	49.0	15.6	3.8	19.3	.3	900
21-23	54.8	29.7	12.7	2.9	15.6	.6	900
ALL HOURS	42.0	41.5	13.1	3.5	16.5	.2	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02	24.9	38.7	25.1	11.3	36.3	.9	930
03-05	23.8	37.0	30.4	8.8	39.2	.2	930
06-08	12.5	45.6	34.7	7.2	41.9	.1	930
09-11	11.6	53.0	28.8	6.6	35.4	.1	930
12-14	6.7	65.6	23.5	4.2	27.7		930
15-17	6.0	69.6	22.5	1.9	24.4		930
18-20	6.5	54.2	34.6	4.7	39.4	1.4	930
21-23	18.2	43.7	28.7	9.5	38.2	1.5	930
ALL HOURS	13.8	50.9	28.5	6.8	35.3	.5	7440

MONTH: AUG HOURS: ALL

00-02	25.4	43.1	19.5	12.0		31.5		930
03-05	27.5	42.9	19.9	9.7		29.6		930
06-08	8.2	57.2	28.1	6.6		34.6		930
09-11	8.8	59.2	25.9	6.0		31.9	.5	930
12-14	4.4	69.9	22.0	3.5	.1	25.7	.1	930
15-17	3.3	74.2	20.4	2.0		22.5	.3	930
18-20	5.3	58	30.4	5.7		36.1	.5	930
21-23	18.9	46.8	22.8	11.5		34.3	1.2	930
ALL HOURS	12.7	56.5	23.6	7.1	.0	30.8	.3	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02	45.0	35.2	14.4	5.3	19.8		900
03-05	44.6	36.4	13.9	5.1	19.0		900
06-08	21.3	53.9	21.1	3.7	24.8	.3	900
09-11	19.6	56.7	20.0	3.8	23.8	.8	900
12-14	10.4	65.0	21.7	2.9	24.6	.4	900
15-17	9.8	65.9	20.6	3.8	24.3	.6	900
18-20	18.6	58.0	18.1	5.3	23.4	.4	900
21-23	41.7	37.7	14.9	5.8	20.7	.8	900
ALL HOURS	26.4	51.1	18.1	4.5	22.5	.4	7200

MONTH: OCT HOURS: ALL

00-02	55.4	25.5	14.0	5.2	19.1		930
03-05	53.1	27.5	12.9	6.5	19.4		930
06-08	34.1	42.8	18.3	4.8	23.1		930
09-11	29.4	43.1	22.0	5.5	27.5		930
12-14	21.1	49.0	23.0	6.9	29.9	.1	930
15-17	19.4	50.0	24.0	6.7	30.6	.1	930
18-20	34.2	40.2	19.6	6.0	25.6		930
21-23	50.6	29.9	12.9	6.6	19.5		930
ALL HOURS	37.2	38.5	18.3	6.0	24.3	.0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02	51.8	25.3	13.0	9.9		22.9	.1	900
03-05	55.3	21.4	14.7	8.6		23.2	.1	900
06-08	34.8	38.6	19.6	6.9	.2	26.7	.4	900
09-11	24.7	43.2	23.6	8.6		32.1	.2	900
12-14	23.3	40.8	26.7	9.2		35.9	.6	900
15-17	20.3	43.3	26.1	10.2		36.3	.4	900
18-20	32.1	37.2	20.1	10.6		30.7	.1	900
21-23	45.0	32.1	13.4	9.4		22.9		900
ALL HOURS	35.9	35.3	19.6	9.2	.0	28.8	.3	7200

MONTH: DEC HOURS: ALL

00-02	42.8	31.2	15.7	10.3		26.0	1.0	930
03-05	42.5	28.8	15.7	13.0		28.7	.8	930
06-08	29.4	33.8	21.0	15.7	.2	36.9	1.8	930
09-11	20.3	35.1	27.5	17.0	.1	44.6	2.4	930
12-14	16.7	38.1	26.6	18.7		45.3	3.1	930
15-17	15.2	38.8	28.7	17.3		46.0	2.5	930
18-20	25.6	35.9	23.8	14.7		38.5	.9	930
21-23	41.2	28.3	18.4	12.2		30.5	1.0	930
ALL HOURS	29.2	33.7	22.2	14.9	.0	37.1	1.7	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	
00-02	44.9	29.6	16.0	9.5	10956
03-05	44.7	29.7	16.6	8.9	10956
06-08	27.4	42.4	22.1	8.1	10956
09-11	22.2	45.3	23.4	9.1	10956
12-14	16.0	51.0	23.6	9.4	10956
15-17	14.0	52.0	24.4	9.5	10955
18-20	21.2	45.3	24.0	9.5	10953
21-23	39.3	33.4	17.7	9.6	10953
ALL HOURS	28.7	41.1	21.0	9.2	87641

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-18). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$C = K - 273.0$ (BEFORE 5 APRIL 77)

$C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE

HUMIDITY FOR 101 INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED.

THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 120						.2							.0
GE 115						1.7	1.7	.1					.3
GE 110					.4	14.1	18.0	5.5	.7				3.3
GE 105					4.1	37.2	57.5	33.8	14.1	.2			12.4
GE 100				1.0	16.3	66.2	87.4	75.1	42.6	2.6			24.6
GE 95			.3	8.6	41.0	85.0	96.9	92.9	70.9	15.4			34.7
GE 90		.2	2.9	23.8	66.5	94.8	99.1	98.5	87.3	38.6	.4		43.1
GE 85	.1	2.1	12.4	46.6	81.7	99.3	99.7	99.4	95.5	64.0	7.3	.1	51.2
GE 80	1.1	8.9	28.4	67.8	91.8	99.9	100.0	99.8	98.5	80.8	25.5	.9	59.0
GE 75	6.9	25.2	47.3	80.7	97.6	100.0		99.9	99.8	92.4	48.5	9.7	67.6
GE 70	25.0	49.2	68.0	90.8	99.6			100.0	100.0	97.8	69.8	30.3	77.7
GE 65	51.8	71.3	83.8	96.9	100.0					99.1	85.8	55.6	87.0
GE 60	74.8	88.3	95.5	99.3						99.7	95.7	79.8	94.4
GE 55	92.0	96.9	99.4	99.9						100.0	99.0	92.0	98.3
GE 50	98.4	99.3	100.0	100.0							99.8	97.9	99.6
GE 45	99.6	100.0									100.0	99.7	99.9
GE 40	100.0											100.0	100.0
MEAN	64.5	68.9	73.8	82.7	91.9	101.9	105.0	102.2	97.5	86.5	73.6	65.2	84.6
SD	7.04	7.83	8.73	9.02	7.97	6.98	5.22	5.05	6.69	7.94	7.84	7.16	16.27
TOTAL OBS	1395	1257	1332	1334	1395	1350	1395	1395	1350	1393	1335	1395	16326

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 90						.3	1.4	.2					.2
GE 85						3.0	15.1	5.7	.3				2.0
GE 80					.4	12.4	52.9	35.6	6.7				9.2
GE 75				.1	2.6	30.1	82.7	74.9	25.6				18.3
GE 70				.8	12.2	55.0	95.3	92.4	54.0	4.0			26.5
GE 65			.3	4.9	35.3	81.0	99.4	98.6	80.2	17.2	.1		35.2
GE 60			2.3	19.1	67.2	96.3	99.9	100.0	94.4	43.1	1.9		44.2
GE 55	.9	2.9	11.2	46.0	88.5	99.7	100.0		99.2	71.0	10.0	.9	53.0
GE 50	6.7	17.4	35.3	74.9	98.1	100.0			100.0	89.4	31.5	5.8	63.6
GE 45	22.1	42.6	70.0	92.8	99.9					97.8	64.2	21.2	76.0
GE 40	54.0	70.9	91.4	99.2	100.0					99.8	85.9	53.1	87.9
GE 35	83.2	90.5	98.8	100.0						99.9	97.5	85.8	96.3
GE 33	89.9	95.0	99.4							99.9	98.8	92.4	97.9
GE 30	96.4	99.0	99.9							100.0	100.0	97.6	99.4
GE 25	99.5	100.0	100.0									99.9	99.9
GE 20	100.0											100.0	100.0
MEAN	40.1	43.2	47.5	53.8	62.2	70.8	79.3	77.3	70.0	58.1	46.5	40.2	57.6
SD	5.98	6.34	5.87	6.35	6.22	7.03	5.25	4.98	6.32	6.64	6.18	5.60	15.06
TOTAL OBS	1395	1257	1332	1334	1395	1350	1395	1395	1350	1393	1335	1395	16326

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 105						.1		.1					.0
GE 100						1.8	3.2	.6					.5
GE 95						10.6	31.5	13.2	1.2				4.8
GE 90					1.9	34.2	76.1	56.9	16.7	.1			15.8
GE 85				.3	11.1	62.3	95.4	90.3	47.3	1.1			26.0
GE 80				4.9	38.9	85.6	99.6	98.9	79.3	14.8			35.6
GE 75			1.6	20.2	68.5	97.0	99.9	99.8	94.7	39.4	.2		43.9
GE 70		1.0	9.6	46.9	86.9	99.9	99.9	100.0	99.3	70.9	4.7		52.1
GE 65	.6	8.7	29.2	71.3	96.4	100.0	100.0		99.9	88.8	26.4	1.0	60.6
GE 60	9.0	30.2	57.9	88.8	99.9				100.0	97.0	57.3	9.5	71.0
GE 55	38.0	62.5	83.1	97.2	100.0					99.5	81.4	39.5	83.5
GE 50	73.4	86.0	96.9	99.9						99.9	95.7	75.6	93.9
GE 45	92.4	96.7	99.7	100.0						100.0	99.6	93.1	98.5
GE 40	98.9	99.8	100.0								100.0	99.1	99.8
GE 35	99.9	100.0										100.0	100.0
GE 33	100.0												100.0
GE 30													
MEAN	52.5	56.3	60.9	68.5	77.3	86.5	92.3	90.0	83.9	72.5	60.2	52.9	71.3
SD	5.38	6.10	6.37	6.94	6.46	6.38	4.28	4.25	5.58	6.35	6.03	5.23	15.26
TOTAL OBS	1395	1257	1332	1334	1395	1350	1395	1395	1350	1393	1335	1395	16326

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41												79	79*
42	77	77	90	90	106	113	116	110	108	100	87	78	116
43	80	85	91	102	104	108	114	106	108	98	84	73	114
44	78	79	81	88	98	111	109	111	107	100	86	74	111
45	77	78	83	98	98	110	110	108	112	95	89	76	112
46	76	70*		98	99	108	108	110	108	89	73*		110*
51				97*	112	109	112	108	107	99	81	76	112*
52	75	77	82	94	103	110	112	110	110	102	85	77	112
53	81	82	89	98	99	112	114	110	108	100	88	78	114
54	82	86	86	101	101	115	116	111	108	100	89	79	116
55	76	81	89	93	104	114	111	106	110	105	89	81	114
56	82	78	93	95	108	114	117	109	109	99	88	78	117
57	71	91	86	93	102	117	115	109	108	100	80	79	117
58	76	81	81	99	111	112	118	110	107	99	85	87	118
59	77	79	86	100	101	114	115	109	108	98	83	80	115
60	75	73	94	96	110	118	114	112	108	99	88	76	118
61	80	81	87	98	99	115	112	110	100	97	81	75	115
62	76	81	86	99	100	110	108	111	106	96	86	78	111
63	75	88	82	94	103	105	110	106	104	101	93	79	110
64	72	73	89	94	101	109	112	111	104	97	81	70	112
65	78	78	85	97	100	104	112	110	101	94	87	78	112
66	70	73	90	94	103	110	113	109	103	92	89	77	113
67	76	82	88	86	103	108	113	109	103	96	90	66	113
68	74	81	87	91	105	114	109	105	107	94	79	72	114
69	74	74	92	95	109	112	117	116	108	98	82	77	117
70	73	85	84	89	106	115	113	109	107	90	82	73	115
71	85	81	93	93	97	110	113	104	108	93	86	76	113
72	78	86	95	92	102	116	116	117	105	103	82	73	117
73	74	76	73	96	107	118	116	110	108	98	87	78	118
74	74	81	91	91	106	114	110	110	110	101	81	68	114
75	81	82	83	88	100	108	110	113	103	98	92	80	113

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	81	77	87	94	104	112	112	109	102	93	88	74	112
77	76	84	85	97	107	115	111	112	108	99	83	75	115
78	71	74	85	91	103	113	113	103	102	98	84	70	113
79	63	75	79	92	100	113	112	109	108	104	81	80	113
80	72	79	75	99	104	117	117	114	108	109	92	86	117
81	78	85	87	102	102	116	115	114	105	93	87	79	116
82	74	82	80	94	100	109	112	111	108	93	81	70	112
83	78	77	87	90	109	106	114	110	108	91	83	68	114
84	76	78	89	100	110	109	112	110	105	94	84	73	112
85	71	81	83	99	101	114	114	113	102	95	86	71	114
86	82	88	94	94	105	112	116	112	111	94	81	75	116
87	75	80	84	97	97	110	113	109	104	99	84	75	113
88	76	79	98	98	107	114	116	111	107	99	86	78	116
89	75	90	93	104	107	114	117	110	108	98	87	74	117
90	79	82	91	98	103	122	114	110	108	96	87	76	122
91	74	82											82*
.....													
GREATEST	85	91	98	104	112	122	118	117	112	109	93	87	122
.....													
TOTAL OBS	1395	1257	1332	1334	1395	1350	1395	1395	1350	1393	1335	1395	16326

THE GREATEST VALUE OF 122 OCCURRED ON 06/26/90

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41												30	30*
42	31	29	35	40	47	59	69	60	60	39	38	30	29
43	32	33	40	41	50	54	60	68	58	41	31	31	31
44	27	32	36	41	53	53	66	68	61	50	33	32	27
45	30	32	34	35	52	55	70	71	52	45	36	26	26
46	29	30*		42	55	61	68	72	65	42	34*		29*
51				46*	45	56	69	65	61	43	37	28	28*
52	29	29	34	46	54	60	63	70	53	49	30	31	29
53	34	29	38	40	47	58	74	62	56	45	32	23	23
54	29	38	37	44	48	54	71	63	60	43	40	27	27
55	30	26	35	38	48	55	64	71	55	40	35	32	26
56	33	25	32	41	53	65	66	63	64	41	31	27	25
57	35	35	40	43	51	61	73	60	58	50	33	34	33
58	30	36	38	39	56	60	69	75	60	49	30	29	29
59	30	32	36	52	46	60	73	71	56	47	37	33	30
60	28	26	39	43	50	67	70	69	54	47	36	26	26
61	34	37	40	47	55	57	68	70	57	41	31	31	31
62	24	30	33	49	50	53	68	64	62	50	36	31	24
63	21	36	36	43	53	55	71	70	64	54	43	30	21
64	24	28	32	40	43	58	75	69	61	47	32	29	24
65	33	32	31	41	44	56	74	65	50	46	37	33	31
66	29	30	30	45	56	61	72	72	64	44	36	28	28
67	26	34	36	42	47	59	74	72	63	49	42	31	26
68	31	39	40	41	51	60	67	62	54	46	33	27	27
69	33	33	31	48	50	65	67	74	64	47	39	32	31
70	27	34	39	40	49	57	69	76	58	42	36	34	27
71	24	30	28	44	50	57	70	72	58	32	38	32	24
72	29	32	41	44	54	69	72	71	59	48	37	28	28
73	30	36	39	45	53	62	69	67	59	46	36	32	30
74	27	37	39	46	53	60	55	69	66	46	37	28	27
75	30	32	41	40	48	60	68	65	63	43	36	35	30

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	27	40	36	40	55	60	68	64	62	44	31	34	27
77	33	38	38	37	49	65	76	69	62	53	44	36	33
78	34	37	41	43	52	61	63	62	51	48	39	26	26
79	29	34	38	37	47	58	63	63	61	45	34	34	29
80	35	35	41	39	53	59	74	67	60	46	37	38	35
81	34	32	44	46	56	70	73	71	64	47	38	35	32
82	34	35	40	46	55	58	64	72	55	45	42	34	34
83	32	38	41	39	52	61	68	70	64	56	33	35	32
84	29	35	37	44	52	63	75	76	67	44	35	36	29
85	34	30	33	50	53	60	72	65	53	55	30	32	30
86	38	32	44	45	48	67	69	77	54	49	41	33	32
87	24	36	40	44	52	61	66	70	60	57	37	31	24
88	33	37	39	46	49	60	75	68	56	58	35	27	27
89	31	33	35	48	60	63	72	66	59	45	41	32	31
90	34	26	39	52	58	64	75	68	59	51	36	21	21
91	30	39											30*
.....													
LEAST	21	25	28	35	43	53	55	60	50	32	30	21	21
.....													
TOTAL OBS	1395	1257	1332	1334	1395	1350	1395	1395	1350	1393	1335	1395	16326

THE LEAST VALUE OF 21 OCCURRED ON 01/14/63

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
41												53	53*
42	54	52	59	66	75	85	94	90	85	72	63	54	71
43	52	59	64	71	79	84	92	87	85	71	60	52	71
44	50	51	58	63	75	81	90	90	83	74	57	52	69
45	51	55	56	65	75	81	91	90	84	74	58	50	69
46	50	48*		73	76	86	89	90	83	66	52*		74*
51				68*	77	83	92	87	82	72	59	51	75*
52	51	54	55	67	80	84	89	91	85	76	57	52	70
53	56	54	63	68	72	86	92	90	85	72	62	51	71
54	53	62	60	73	79	85	92	89	85	75	64	55	73
55	50	52	62	67	76	85	88	88	84	77	61	57	71
56	56	51	63	68	79	90	91	88	87	71	60	54	72
57	54	62	63	68	74	89	93	90	84	71	57	56	72
58	54	59	58	68	83	89	93	92	85	75	61	57	73
59	55	55	63	74	76	91	95	89	83	73	62	54	73
60	50	52	66	70	78	91	93	91	86	71	62	53	72
61	57	59	61	70	76	89	91	89	81	69	57	51	71
62	51	55	56	73	74	83	90	92	84	71	62	54	70
63	48	61	60	65	79	81	93	88	85	75	63	53	71
64	48	50	57	66	75	83	93	88	82	74	55	52	69
65	54	54	57	66	73	80	92	89	78	72	61	52	69
66	48	50	62	71	81	87	93	91	83	72	61	53	71
67	51	58	63	62	76	83	92	91	84	74	64	49	71
68	53	60	60	66	76	86	90	86	82	70	58	49	70
69	56	55	59	70	80	85	94	95	87	70	62	55	72
70	52	60	59	64	78	86	94	91	80	68	59	51	70
71	51	55	64	66	72	85	93	88	84	67	59	52	70
72	53	61	70	69	79	89	96	91	86	73	57	51	73
73	50	57	56	68	81	89	93	93	83	73	60	54	72
74	52	57	64	68	77	91	88	90	86	74	59	49	71
75	52	55	60	62	75	85	92	91	86	72	61	54	70

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: +07

PERIOD OF RECORD: 4112-4611,5104-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	53	58	59	65	78	87	91	89	82	71	62	54	71
77	53	59	58	71	73	89	94	92	85	75	63	55	72
78	53	56	63	66	76	88	91	87	82	75	58	48	70
79	47	53	58	67	75	86	90	86	86	76	58	54	70
80	54	58	58	66	74	89	97	92	86	73	63	59	73
81	55	56	62	74	80	94	93	94	86	71	65	55	74
82	52	58	59	69	77	83	91	90	83	71	60	52	71
83	54	57	60	63	78	85	93	90	87	72	59	54	71
84	54	56	64	68	83	86	92	91	86	70	59	53	72
85	52	55	60	73	79	89	93	91	79	73	58	53	71
86	59	58	66	70	80	91	92	95	81	72	62	55	73
87	51	57	60	74	77	87	90	91	83	76	61	51	72
88	53	58	63	70	79	89	97	90	82	77	60	54	73
89	53	60	68	78	81	89	95	91	86	74	64	54	74
90	52	54	65	74	79	92	94	89	85	74	62	51	73
91	53	63											58*
.....													
MEAN	52.5	56.3	60.9	68.5	77.3	86.5	92.3	90.0	83.9	72.5	60.2	52.9	71.3
.....													
TOTAL OBS	1395	1257	1332	1334	1395	1350	1395	1395	1350	1393	1335	1395	16326
.....													

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	47.1	5.007	930	0	4	0	0	0	930
03-05	44.6	5.330	930	0	10	0	0	0	930
06-08	43.0	5.657	930	0	19	0	0	0	930
09-11	51.8	6.404	930	0	1	22	0	0	930
12-14	61.3	6.226	930	0	0	279	0	0	930
15-17	64.1	6.697	930	0	0	445	5	0	930
18-20	56.5	6.042	930	0	0	91	0	0	930
21-23	50.2	4.997	930	0	0	4	0	0	930
ALL HOURS	52.3	9.265	7440	0	34	841	5	0	7440

MONTH: FEB

00-02	51.4	6.504	846	0	5	18	0	0	846
03-05	48.6	6.327	846	0	8	6	0	0	846
06-08	46.8	6.275	846	0	7	0	0	0	846
09-11	56.9	7.789	846	0	0	145	1	0	846
12-14	65.9	8.390	846	0	0	497	27	0	846
15-17	69.0	8.858	845	0	0	620	76	0	845
18-20	62.9	8.392	843	0	0	360	14	0	843
21-23	55.3	6.551	843	0	0	70	0	0	843
ALL HOURS	57.1	10.698	6761	0	20	1716	118	0	6761

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	56.8	6.428	930	0	0	119	1	0	930
03-05	53.3	6.278	930	0	0	43	0	0	930
06-08	52.2	6.203	930	0	0	29	0	0	930
09-11	63.4	7.562	930	0	0	394	25	0	930
12-14	71.3	8.586	930	0	0	700	182	3	930
15-17	74.4	9.062	930	0	0	785	269	11	930
18-20	69.2	8.525	930	0	0	637	124	1	930
21-23	61.2	6.770	930	0	0	269	4	0	930
ALL HOURS	62.7	10.803	7440	0	0	2976	605	15	7440

MONTH: APR

00-02	65.5	7.899	900	0	0	514	30	0	900
03-05	61.0	7.378	900	0	0	299	0	0	900
06-08	61.1	7.557	900	0	0	307	2	0	900
09-11	73.6	8.391	900	0	0	763	237	3	900
12-14	81.2	8.916	900	0	0	853	544	79	900
15-17	84.0	9.483	900	0	0	869	638	181	900
18-20	79.2	9.427	900	0	0	833	477	61	900
21-23	70.6	7.828	900	0	0	715	112	0	900
ALL HOURS	72.0	11.909	7200	0	0	5153	2040	324	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	73.9	7.043	930	0	0	825	187	2	930
03-05	68.5	6.845	930	0	0	674	42	0	930
06-08	69.9	7.311	930	0	0	711	96	0	930
09-11	82.1	7.488	930	0	0	913	626	64	930
12-14	89.5	7.695	930	0	0	930	826	340	930
15-17	92.6	7.672	930	0	0	930	868	502	930
18-20	88.5	7.783	930	0	0	929	813	284	930
21-23	79.0	6.722	930	0	0	912	476	11	930
ALL HOURS	80.5	11.304	7440	0	0	6824	3934	1203	7440

MONTH: JUN

00-02	83.0	6.298	900	0	0	899	634	71	900
03-05	77.2	7.119	900	0	0	864	337	11	900
06-08	78.8	7.217	900	0	0	881	422	21	900
09-11	91.2	6.159	900	0	0	900	873	381	900
12-14	98.8	6.186	900	0	0	900	900	769	900
15-17	102.5	6.237	900	0	0	900	900	836	900
18-20	98.7	6.532	900	0	0	900	899	741	900
21-23	88.5	6.193	900	0	0	900	832	232	900
ALL HOURS	89.8	11.156	7200	0	0	7144	5797	3062	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00	87.8	5.428	930	0	0	930	872	206	930
03-05	83.8	5.486	930	0	0	930	753	40	930
06-08	84.5	5.699	930	0	0	929	765	63	930
09-11	93.6	5.479	930	0	0	930	912	570	930
12-14	100.4	5.752	930	0	0	930	926	856	930
15-17	104.2	5.648	930	0	0	930	929	896	930
18-20	100.6	6.357	930	0	0	930	928	820	930
21-23	92.6	5.462	930	0	0	930	919	491	930
ALL HOURS	93.4	9.168	7440	0	0	7439	7004	3942	7440

MONTH: AUG

00-02	85.6	4.965	930	0	0	930	813	78	930
03-05	82.1	4.957	930	0	0	930	655	5	930
06-08	82.4	5.169	930	0	0	930	677	16	930
09-11	91.9	5.270	930	0	0	930	913	447	930
12-14	98.6	5.450	930	0	0	930	923	823	930
15-17	101.7	5.492	930	0	0	930	924	882	930
18-20	97.9	6.228	930	0	0	930	920	759	930
21-23	89.8	5.614	930	0	0	930	896	318	930
ALL HOURS	91.3	8.962	7440	0	0	7440	6721	3328	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	78.1	6.917	900	0	0	876	396	3	900
03-05	74.3	7.156	900	0	0	818	241	1	900
06-08	74.2	7.403	900	0	0	809	231	1	900
09-11	86.0	7.019	900	0	0	899	737	166	900
12-14	93.1	7.139	900	0	0	899	856	524	900
15-17	95.5	7.507	900	0	0	900	860	658	900
18-20	89.9	8.044	900	0	0	900	797	367	900
21-23	81.9	7.003	900	0	0	895	572	45	900
ALL HOURS	84.1	10.641	7200	0	0	6996	4690	1765	7200

MONTH: OCT

00-02	66.3	5.645	930	0	0	573	2	0	930
03-05	63.0	5.876	930	0	0	384	1	0	930
06-08	62.6	6.299	930	0	0	364	1	0	930
09-11	75.1	6.134	930	0	0	894	232	1	930
12-14	83.0	6.322	930	0	0	930	671	65	930
15-17	85.1	6.684	930	0	0	927	724	133	930
18-20	77.2	7.134	930	0	0	904	360	20	930
21-23	69.5	5.602	930	0	0	751	31	0	930
ALL HOURS	72.7	10.308	7440	0	0	5727	2022	219	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	54.6	6.401	900	0	0	48	0	0	900
03-05	51.9	6.390	900	0	1	26	0	0	900
06-08	50.4	6.543	900	0	0	13	0	0	900
09-11	62.1	7.664	900	0	0	374	6	0	900
12-14	70.6	7.726	900	0	0	693	110	0	900
15-17	72.4	8.068	900	0	0	730	189	0	900
18-20	63.3	7.229	900	0	0	421	4	0	900
21-23	57.3	6.279	900	0	0	103	0	0	900
ALL HOURS	60.3	10.410	7200	0	1	2408	309	0	7200

MONTH: DEC

00-02	46.8	5.511	930	0	8	0	0	0	930
03-05	44.4	5.744	930	0	19	0	0	0	930
06-08	43.1	6.021	930	0	36	0	0	0	930
09-11	51.9	6.644	930	0	2	27	0	0	930
12-14	60.9	6.357	930	0	0	264	0	0	930
15-17	63.3	6.504	930	0	0	425	0	0	930
18-20	54.9	5.770	930	0	0	38	0	0	930
21-23	49.5	5.386	930	0	2	0	0	0	930
ALL HOURS	51.9	9.198	7440	0	67	754	0	0	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	66.5	15.768	10956	0	17	5732	2935	360	10956
03-05	62.8	15.146	10956	0	38	4974	2029	57	10956
06-08	62.5	16.095	10956	0	62	4973	2194	101	10956
09-11	73.4	16.605	10956	0	3	7191	4562	1632	10956
12-14	81.3	15.988	10956	0	0	8805	5965	3459	10956
15-17	84.1	16.361	10955	0	0	9391	6382	4099	10955
18-20	78.3	17.722	10953	0	0	7873	5336	3053	10953
21-23	70.5	16.375	10953	0	2	6479	3842	1097	10953
ALL HOURS	72.4	18.026	87641	0	122	55418	33245	13858	87641

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	41.4	4.930	930	32	49	0	0	0	930
03-05	39.7	5.244	930	68	32	0	0	0	930
06-08	38.5	5.476	930	120	27	0	0	0	930
09-11	44.0	5.024	930	10	134	0	0	0	930
12-14	48.7	4.379	930	0	435	0	0	0	930
15-17	49.8	4.327	930	0	518	0	0	0	930
18-20	47.0	4.631	930	4	294	0	0	0	930
21-23	43.6	4.733	930	16	96	0	0	0	930
ALL HOURS	44.1	6.192	7440	250	1585	0	0	0	7440

MONTH: FEB

00-02	43.5	6.026	846	23	139	0	0	0	846
03-05	41.8	6.105	846	55	94	0	0	0	846
06-08	40.7	6.038	846	71	54	0	0	0	846
09-11	46.5	5.912	846	19	265	0	0	0	846
12-14	50.6	5.518	846	4	516	0	0	0	846
15-17	51.6	5.424	845	1	573	0	0	0	845
18-20	49.3	5.662	843	7	444	0	0	0	843
21-23	45.9	5.734	843	13	249	0	0	0	843
ALL HOURS	46.2	6.919	6761	193	2334	0	0	0	6761

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	46.6	5.011	930	0	264	0	0	0	930
03-05	44.7	5.300	930	7	160	0	0	0	930
06-08	44.2	5.391	930	11	150	0	0	0	930
09-11	50.1	4.710	930	0	536	0	0	0	930
12-14	53.4	4.618	930	0	727	0	0	0	930
15-17	54.1	4.600	930	0	771	0	0	0	930
18-20	52.0	4.700	930	0	666	0	0	0	930
21-23	48.8	4.861	930	0	450	0	0	0	930
ALL HOURS	49.2	6.042	7440	18	3724	0	0	0	7440

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	51.0	5.176	900	0	553	0	0	0	900
03-05	49.0	5.431	900	0	459	0	0	0	900
06-08	49.5	5.628	900	1	476	0	0	0	900
09-11	55.0	4.881	900	0	771	0	0	0	900
12-14	57.7	4.680	900	0	849	9	0	0	900
15-17	58.3	4.729	900	0	849	15	0	0	900
18-20	56.3	4.774	900	0	812	2	0	0	900
21-23	53.2	4.910	900	0	687	0	0	0	900
ALL HOURS	53.7	6.105	7200	1	5456	26	0	0	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
				LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	54.8	4.661	930	0	821	6	0	0	930
03-05	52.8	4.918	930	0	687	4	0	0	930
06-08	53.9	5.046	930	0	750	8	0	0	930
09-11	59.0	4.176	930	0	917	38	0	0	930
12-14	61.5	4.046	930	0	923	113	0	0	930
15-17	62.3	4.018	930	0	927	156	3	0	930
18-20	60.3	4.070	930	0	923	65	0	0	930
21-23	56.7	4.267	930	0	893	17	0	0	930
ALL HOURS	57.7	5.593	7440	0	6841	407	3	0	7440

MONTH: JUN

00-02	59.7	5.488	900	0	891	108	22	0	900
03-05	57.8	5.964	900	0	852	98	21	0	900
06-08	59.1	5.957	900	0	869	120	20	0	900
09-11	63.9	4.808	900	0	900	235	50	0	900
12-14	66.7	4.373	900	0	900	450	98	1	900
15-17	67.9	4.064	900	0	900	569	122	0	900
18-20	66.1	4.434	900	0	900	415	70	0	900
21-23	61.7	5.119	900	0	899	168	27	0	900
ALL HOURS	62.9	6.217	7200	0	7111	2163	430	1	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	68.9	5.215	930	0	930	682	240	0	930
03-05	67.9	5.735	930	0	930	637	195	0	930
06-08	68.6	5.590	930	0	930	672	230	1	930
09-11	71.5	4.181	930	0	930	791	444	5	930
12-14	73.3	3.636	930	0	930	884	587	19	930
15-17	73.9	3.079	930	0	930	911	640	19	930
18-20	72.5	3.303	930	0	930	878	506	4	930
21-23	70.2	4.362	930	0	930	751	318	0	930
ALL HOURS	70.8	4.985	7440	0	7440	6206	3160	48	7440

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	69.8	4.487	928	0	928	752	263	3	928
03-05	69.0	4.880	927	0	927	708	208	2	927
06-08	69.5	4.913	928	0	928	731	250	5	928
09-11	72.5	3.983	930	0	930	838	528	19	930
12-14	74.0	3.662	930	0	930	883	668	40	930
15-17	74.2	3.371	930	0	930	891	674	34	930
18-20	72.7	3.591	930	0	930	856	540	10	930
21-23	70.9	3.923	930	0	930	801	352	6	930
ALL HOURS	71.6	4.517	7433	0	7433	6460	3483	119	7433

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	63.4	6.268	900	0	887	326	40	0	900
03-05	62.2	6.768	900	0	874	266	31	0	900
06-08	62.4	6.810	900	0	876	276	34	0	900
09-11	66.8	5.465	900	0	900	496	173	1	900
12-14	68.9	5.127	900	0	900	579	260	4	900
15-17	69.0	4.939	900	0	900	592	238	1	900
18-20	66.9	5.150	900	0	900	502	137	0	900
21-23	64.6	5.689	900	0	896	386	65	0	900
ALL HOURS	65.5	6.414	7200	0	7133	3423	978	6	7200

MONTH: OCT

00-02	54.4	5.978	930	0	710	13	0	0	930
03-05	52.7	6.363	930	0	620	10	0	0	930
06-08	52.6	6.384	930	0	630	10	0	0	930
09	58.8	5.304	930	0	882	56	0	0	930
12-14	61.9	4.661	930	0	925	155	0	0	930
15-17	61.9	4.501	930	0	924	149	0	0	930
18-20	59.2	5.177	930	0	887	63	0	0	930
21-23	56.2	5.660	930	0	812	21	0	0	930
ALL HOURS	57.2	6.574	7440	0	6390	477	0	0	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	45.7	6.275	900	7	228	0	0	0	900
03-05	44.1	6.553	900	20	190	0	0	0	900
06-08	43.4	6.738	900	32	171	0	0	0	900
09-11	49.9	6.101	900	0	461	1	0	0	900
12-14	53.7	5.499	900	0	679	5	0	0	900
15-17	54.0	5.203	900	0	726	9	0	0	900
18-20	50.7	5.704	900	0	523	1	0	0	900
21-23	47.4	5.881	900	1	281	0	0	0	900
ALL HOURS	48.6	7.160	7200	60	3259	16	0	0	7200

MONTH: DEC

00-02	41.2	5.902	930	69	77	0	0	0	930
03-05	39.6	6.172	930	106	63	0	0	0	930
06-08	38.6	6.346	930	156	55	0	0	0	930
09-11	44.1	5.721	930	23	172	0	0	0	930
12-14	48.8	4.882	930	3	470	0	0	0	930
15-17	49.8	4.778	930	1	559	0	0	0	930
18-20	46.5	5.360	930	9	293	0	0	0	930
21-23	43.2	5.743	930	40	126	0	0	0	930
ALL HOURS	44.0	6.845	7440	407	1815	0	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	53.4	11.262	10954	131	6477	1887	565	3	10954
03-05	51.8	11.648	10953	256	5888	1723	455	2	10953
06-08	51.8	12.252	10954	391	5916	1817	534	6	10954
09-11	56.9	11.040	10956	52	7798	2455	1195	25	10956
12-14	60.0	10.002	10956	7	9184	3078	1613	64	10956
15-17	60.6	9.776	10955	2	9507	3292	1677	54	10955
18-20	58.3	10.344	10953	20	8502	2782	1253	14	10953
21-23	55.3	10.808	10953	70	7249	2144	762	6	10953
ALL HOURS	56.0	11.398	87634	929	60521	19178	8054	174	87634

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	34.1	7.958	930	170	353	930	0	930
03-05	33.0	7.895	930	203	284	928	0	930
06-08	32.3	7.702	930	247	258	927	0	930
09-11	34.5	8.198	930	185	369	927	0	930
12-14	34.7	8.974	930	202	396	930	0	930
15-17	34.1	9.279	930	232	387	930	0	930
18-20	36.1	8.543	930	141	472	930	0	930
21-23	35.6	8.169	930	141	455	930	0	930
ALL HOURS	34.3	8.462	7440	1521	2974	7432	0	7440

MONTH: FEB

00-02	33.6	9.962	846	228	359	846	0	846
03-05	32.9	9.625	846	250	331	846	0	846
06-08	32.4	9.204	846	264	298	846	0	846
09-11	34.3	9.745	846	219	371	845	0	846
12-14	34.2	10.236	846	224	375	846	0	846
15-17	32.9	10.238	845	264	341	845	0	846
18-20	34.2	10.327	843	231	379	842	0	846
21-23	34.7	10.037	843	199	397	843	0	846
ALL HOURS	33.6	9.983	6761	1879	2851	6759	0	6761

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	34.6	9.631	930	231	419	929	0	930
03-05	34.2	9.236	930	223	400	928	0	930
06-08	34.5	8.896	930	206	410	927	0	930
09-11	35.9	9.464	930	183	487	926	0	930
12-14	35.4	9.581	930	208	451	927	0	930
15-17	33.7	9.462	930	239	361	927	0	930
18-20	33.9	9.873	930	240	388	927	0	930
21-23	35.1	9.930	930	222	450	926	0	930
ALL HOURS	34.7	9.555	7440	1752	3366	7417	0	7440

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	35.9	9.178	900	150	406	899	0	900
03-05	36.1	8.866	900	140	420	900	0	900
06-08	37.2	8.691	900	117	479	895	0	900
09-11	37.7	8.650	900	106	486	892	0	900
12-14	36.7	8.280	900	120	444	896	0	900
15-17	35.3	8.019	900	158	381	900	0	900
18-20	34.7	8.560	900	179	379	898	0	900
21-23	35.9	9.040	900	149	425	896	0	900
ALL HOURS	36.2	8.738	7200	1119	3420	7176	0	7200

E - 5 - 3 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	36.5	8.954	930	134	413	907	0	930
03-05	37.3	8.714	930	104	475	909	0	930
06-08	38.8	8.428	930	67	560	905	0	930
09-11	39.6	7.771	930	50	593	909	0	930
12-14	39.0	7.061	930	33	570	924	0	930
15-17	37.8	6.639	930	34	492	927	0	930
18-20	36.3	7.303	930	72	396	919	0	930
21-23	36.1	8.809	930	140	397	911	0	930
ALL HOURS	37.7	8.123	7440	634	3896	7311	0	7440

MONTH: JUN

00-02	39.9	10.591	900	101	524	813	22	900
03-05	41.0	10.169	900	55	581	807	26	900
06-08	42.9	9.859	900	22	661	787	28	900
09-11	43.5	9.602	900	19	697	785	22	900
12-14	43.7	8.602	900	5	721	805	20	900
15-17	43.4	7.793	900	0	725	831	15	900
18-20	41.9	8.520	900	12	650	834	14	900
21-23	40.1	10.018	900	73	524	814	17	900
ALL HOURS	42.1	9.573	7200	287	5083	6476	164	7200

B - 5 - 3 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	57.4	10.600	930	2	893	342	286	930
03-05	58.0	10.554	930	1	891	318	302	930
06-08	59.2	10.086	930	1	90	83	335	930
09-11	59.0	9.721	930	0	90	276	328	930
12-14	58.1	9.035	930	0	92	303	275	930
15-17	56.8	8.282	930	0	928	372	197	930
18-20	56.4	8.690	930	0	919	383	183	930
21-23	57.1	9.901	930	2	897	356	248	930
ALL HOURS	57.8	9.711	7440	6	7262	2633	2154	7440

MONTH: AUG

00-02	60.8	8.628	928	2	917	186	343	930
03-05	61.6	8.183	927	0	920	175	375	930
06-08	62.3	7.933	928	0	924	164	406	930
09-11	62.3	8.091	930	0	927	156	413	930
12-14	61.2	8.242	930	0	923	191	357	930
15-17	59.4	7.940	930	0	923	250	257	930
18-20	58.8	7.976	930	0	921	276	211	930
21-23	60.6	7.876	930	2	923	210	306	930
ALL HOURS	60.9	8.221	7433	4	7378	1608	2668	7433

B - 5 - 3 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	53.2	10.079	900	9	847	470	118	900
03-05	53.5	10.050	900	9	852	471	136	900
06-08	54.1	9.856	900	4	862	443	144	900
09-11	54.7	9.686	900	3	869	428	146	900
12-14	54.1	9.645	900	3	857	453	131	900
15-17	52.2	9.774	900	7	855	527	86	900
18-20	51.9	9.741	900	7	851	533	77	900
21-23	52.9	9.807	900	6	858	506	94	900
ALL HOURS	53.3	9.890	7200	48	6851	3831	932	7200

MONTH: OCT

00-02	43.1	10.850	930	57	657	802	13	930
03-05	42.7	10.755	930	66	632	810	17	930
06-08	43.1	10.340	930	61	666	821	14	930
09-11	45.1	10.695	930	55	725	768	11	930
12-14	45.4	10.771	930	50	735	767	11	930
15-17	43.5	10.725	930	63	689	808	5	930
18-20	44.4	10.216	930	47	726	803	12	930
21-23	44.3	10.518	930	50	724	790	12	930
ALL HOURS	43.9	10.671	7440	449	5554	6369	95	7440

E - 5 - 3 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	35.0	10.655	900	215	366	870	2	900
03-05	34.4	10.464	900	235	349	870	1	900
06-08	34.4	10.386	900	236	350	870	1	900
09-11	36.8	10.868	900	196	429	854	2	900
12-14	36.9	11.014	900	200	428	852	3	900
15-17	35.8	10.664	900	230	396	867	3	900
18-20	37.5	10.047	900	147	440	865	1	900
21-23	36.0	10.371	900	183	396	869	2	900
ALL HOURS	35.8	10.638	7200	1642	3154	6917	15	7200

MONTH: DEC

00-02	33.6	10.039	930	248	409	928	0	930
03-05	32.7	9.846	930	251	349	927	0	930
06-08	32.0	9.780	930	275	305	930	0	930
09-11	34.5	9.968	930	216	431	928	0	930
12-14	35.1	10.212	930	216	449	923	0	930
15-17	34.8	10.409	930	243	435	927	0	930
18-20	36.6	10.275	930	185	524	929	0	930
21-23	35.2	10.043	930	226	473	930	0	930
ALL HOURS	34.3	10.190	7440	1860	3375	7422	0	7440

E - 5 - 3 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	41.6	13.719	10954	1547	6563	8922	784	10954
03-05	41.5	13.856	10953	1537	6484	8889	857	10953
06-08	42.0	13.967	10954	1500	6678	8798	928	10954
09-11	43.2	13.520	10956	1232	7290	8694	922	10956
12-14	42.9	13.252	10956	1261	7272	8817	797	10956
15-17	41.7	12.982	10955	1470	6913	9111	563	10955
18-20	42.0	12.648	10953	1261	7045	9139	498	10953
21-23	42.0	13.259	10953	1393	6919	8981	679	10953
ALL HOURS	42.1	13.419	87634	11201	55164	71351	6028	87634

E - 5 - 3 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	99.9	97.5	91.1	77.5	59.0	32.5	14.7	3.7	62.0	930
03-05	100.0	100.0	98.3	94.3	82.3	65.9	40.5	16.5	4.3	64.8	930
06-08	100.0	100.0	98.7	94.9	86.9	71.7	44.5	19.2	5.8	66.6	930
09-11	100.0	98.7	91.6	76.3	58.5	38.8	20.3	9.5	2.7	54.1	930
12-14	100.0	91.5	67.5	42.6	26.3	14.3	5.8	2.6	.9	39.7	930
15-17	100.0	86.1	55.8	32.4	19.0	10.5	4.7	1.7	.4	35.4	930
18-20	100.0	96.9	86.2	67.5	45.3	27.4	13.1	6.1	1.0	49.0	930
21-23	100.0	99.5	95.3	86.2	73.1	50.2	26.7	12.7	2.7	59.0	930
ALL HOURS	100.0	96.6	86.4	73.2	58.6	42.2	23.5	10.4	2.7	53.8	7440

MONTH: FEB

00-02	100.0	99.2	90.1	72.6	54.6	36.4	20.6	8.2	.7	52.6	846
03-05	100.0	99.5	94.9	80.3	62.3	43.5	25.3	10.3	1.4	56.2	846
06-08	100.0	99.2	97.3	85.7	67.4	47.4	27.3	10.9	2.0	58.2	846
09-11	100.0	95.4	78.5	56.9	40.0	24.2	10.3	3.4	.5	45.3	846
12-14	99.9	78.6	53.4	30.6	18.4	8.6	3.4	.5	.1	33.7	846
15-17	99.3	66.3	39.9	19.4	12.5	5.8	2.1	.1		29.0	845
18-20	99.9	83.6	61.4	40.2	24.2	14.2	5.2	1.4		37.4	843
21-23	100.0	96.4	83.5	65.0	45.1	30.4	13.2	4.9	.7	48.3	843
ALL HOURS	99.9	89.8	74.9	56.3	40.6	26.3	13.4	5.0	.7	45.1	6761

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	99.9	96.5	78.6	56.6	38.9	24.1	13.2	5.6	.6	46.0	930
03-05	100.0	98.2	90.0	69.2	48.1	31.0	17.5	7.0	1.0	50.6	930
06-08	100.0	98.7	91.6	77.5	53.8	34.7	18.6	7.6	1.0	52.8	930
09-11	100.0	87.6	65.4	44.4	27.3	14.7	6.2	2.3	.3	39.3	930
12-14	99.9	69.1	41.4	24.0	12.5	6.3	2.7	.8		29.9	930
15-17	98.9	53.4	28.2	15.3	8.5	4.2	2.3	.6		25.5	930
18-20	99.7	69.0	41.3	23.5	14.1	8.6	4.2	1.9		30.6	930
21-23	99.8	91.4	67.4	47.5	29.4	18.0	9.4	3.5	.1	40.8	930
ALL HOURS	99.8	83.0	63.0	44.8	29.1	17.7	9.3	3.7	.4	39.4	7440

MONTH: APR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	99.8	89.0	61.0	32.3	16.7	8.4	5.2	3.3	.9	36.1	900
03-05	99.8	96.0	80.3	49.0	23.3	11.8	6.9	4.6	2.0	41.8	900
06-08	100.0	96.4	84.2	55.1	26.3	13.3	7.8	3.7	1.3	43.2	900
09-11	99.9	78.6	38.9	17.1	8.6	4.3	2.2	.9	.3	29.6	900
12-14	99.3	49.8	17.6	7.2	3.6	1.3	.4	.2		22.2	900
15-17	99.3	32.6	11.7	4.6	2.8	1.2	.9	.3		19.2	900
18-20	99.2	45.7	15.9	8.0	4.4	3.3	2.4	1.3	.1	22.2	900
21-23	99.6	79.1	43.2	17.8	8.0	5.0	3.6	1.8	.3	30.4	900
ALL HOURS	99.6	70.9	44.1	23.9	11.7	6.1	3.7	2.0	.6	30.6	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	99.8	73.4	35.7	14.4	5.5	2.5	.5			27.6	930
03-05	99.9	89.5	57.8	27.4	11.3	3.9	1.4	.3		33.7	930
06-08	99.8	91.9	60.9	26.2	10.2	3.5	1.7	.3	.1	34.0	930
09-11	98.8	59.7	22.2	5.8	1.8	.8				23.5	930
12-14	98.3	33.5	6.0	.5	.1					18.0	930
15-17	98.3	19.9	2.0	.1						15.5	930
18-20	98.3	24.3	5.3	1.8	.5					16.8	930
21-23	98.9	55.4	19.4	6.2	2.6	1.3	.2			22.8	930
ALL HOURS	99.0	56.0	26.2	10.3	4.0	1.5	.5	.1	.0	24.0	7440

MONTH: JUN

00-02	99.7	57.6	18.2	6.9	3.1	1.2	.1			23.1	900
03-05	99.6	84.1	40.1	12.2	5.1	2.6	1.0	.2		28.9	900
06-08	99.9	88.4	42.0	13.0	4.7	2.4	1.0	.6	.2	29.4	900
09-11	99.3	41.9	11.7	3.2	1.4	.4	.3	.1		20.5	900
12-14	99.3	20.1	4.6	1.1	.1					16.2	900
15-17	97.8	11.2	2.1	.7	.2					14.2	900
18-20	99.4	14.3	4.0	1.2	.3					15.1	900
21-23	99.6	36.2	9.9	3.1	1.3	.3				19.4	900
ALL HOURS	99.3	44.2	16.6	5.2	2.0	.9	.3	.1	.0	20.9	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	92.3	64.5	42.5	25.6	11.7	5.1	2.3	.8	38.9	930
03-05	100.0	97.0	79.6	55.6	35.2	18.5	8.5	2.9	.8	44.5	930
06-08	100.0	97.3	80.8	59.9	35.6	19.4	9.1	4.0	1.1	45.3	930
09-11	100.0	83.3	59.1	32.9	13.8	5.8	2.6	.8		34.5	930
12-14	100.0	71.6	37.2	12.2	4.3	1.5	.6	.2	.1	27.1	930
15-17	100.0	58.1	21.7	5.5	1.7	.4	.3			23.0	930
18-20	100.0	65.6	29.7	12.8	3.8	2.0	.9	.2	.2	25.6	930
21-23	100.0	82.2	52.4	30.0	13.4	5.2	2.2	1.2	.4	33.2	930
ALL HOURS	100.0	80.9	53.1	31.4	16.7	8.1	3.7	1.4	.4	34.0	7440

MONTH: AUG

00-02	100.0	98.9	86.4	61.2	35.2	19.5	9.1	3.3	.6	45.9	928
03-05	100.0	99.8	94.9	78.5	51.2	30.6	14.1	5.1	1.9	52.1	927
06-08	100.0	99.7	95.7	80.2	53.2	29.2	14.1	5.6	1.9	52.6	928
09-11	100.0	95.6	76.0	44.4	22.3	10.9	5.2	1.1	.3	39.9	930
12-14	100.0	84.9	49.0	20.8	9.5	3.7	1.2	.3	.2	31.5	930
15-17	100.0	74.7	30.8	12.0	4.4	1.4	.6	.3	.1	26.9	930
18-20	100.0	81.1	39.0	18.6	8.3	3.2	1.2	.4		29.7	930
21-23	99.9	97.3	75.6	41.8	23.5	11.6	4.8	1.6	.2	40.0	930
ALL HOURS	100.0	91.5	68.4	44.7	25.9	13.7	6.3	2.2	.7	39.8	7433

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	98.8	85.1	57.4	32.3	15.0	7.0	2.4	.1	44.3	900
03-05	100.0	99.7	94.3	75.6	49.2	25.0	9.9	2.4	.1	50.0	900
06-08	100.0	99.8	94.8	77.3	52.8	28.7	9.4	2.6		51.1	900
09-11	100.0	92.2	66.1	37.3	17.8	5.7	1.7	.7	.1	36.7	900
12-14	100.0	78.6	41.7	16.1	5.8	3.0	1.1	.3		29.0	900
15-17	99.8	62.9	28.1	9.6	4.4	2.6	.9	.4		25.5	900
18-20	99.9	78.4	41.8	18.8	9.7	4.9	2.0	.9	.1	30.0	900
21-23	100.0	96.2	70.4	41.9	19.0	10.9	4.6	2.1	.4	39.0	900
ALL HOURS	100.0	88.3	65.3	41.8	23.9	12.0	4.6	1.5	.1	38.2	7200

MONTH: OCT

00-02	99.7	96.9	84.7	56.9	34.0	20.4	11.1	4.1	1.3	45.6	930
03-05	99.9	98.1	92.7	70.2	44.4	26.0	14.3	7.1	1.5	49.8	930
06-08	100.0	98.4	94.7	74.5	48.5	27.5	15.1	6.9	2.3	51.1	930
09-11	99.8	89.6	62.4	37.0	20.5	10.5	4.5	2.3	.9	37.3	930
12-14	98.9	71.3	42.0	20.6	8.8	4.6	1.6	.4	.2	29.5	930
15-17	98.1	59.1	31.9	11.8	6.1	3.2	1.8	.6	.1	25.9	930
18-20	99.5	84.9	56.3	28.1	14.4	6.9	3.4	1.3		34.0	930
21-23	99.7	97.0	81.8	50.3	27.8	14.9	7.6	2.9	.4	42.8	930
ALL HOURS	99.4	86.9	68.3	43.7	25.6	14.3	7.4	3.2	.8	39.5	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	97.8	88.3	67.9	45.8	28.0	17.4	9.8	3.6	50.2	900
03-05	100.0	99.2	92.4	76.6	53.4	34.0	19.0	11.4	4.7	53.5	900
06-08	100.0	98.6	94.2	83.2	61.2	38.9	22.7	12.7	4.6	56.0	900
09-11	99.9	91.7	70.9	50.6	32.9	18.0	10.3	5.1	1.3	42.4	900
12-14	99.6	75.9	48.4	27.9	15.3	8.3	4.2	1.0	.3	32.4	900
15-17	99.6	67.3	39.6	20.3	12.0	6.0	3.3	2.2	.8	29.4	900
18-20	100.0	94.6	72.7	46.2	25.0	15.8	8.7	4.8	1.4	41.2	900
21-23	100.0	96.7	85.8	62.3	38.7	23.1	13.7	8.4	2.8	47.4	900
ALL HOURS	99.9	90.2	74.0	54.4	35.5	21.5	12.4	6.9	2.4	44.1	7200

MONTH: DEC

00-02	100.0	99.4	94.3	84.0	73.4	60.3	41.1	17.3	4.2	61.9	930
03-05	100.0	100.0	95.9	89.2	77.8	66.7	47.8	21.2	5.2	64.8	930
06-08	100.0	99.4	96.9	90.4	79.5	67.8	52.5	23.9	5.3	66.0	930
09-11	100.0	96.7	87.4	76.2	60.2	42.2	23.2	10.3	2.9	54.3	930
12-14	100.0	88.7	72.4	48.7	27.5	16.0	8.4	5.5	1.9	41.3	930
15-17	99.4	85.4	65.1	39.9	20.6	11.8	6.6	4.6	1.4	37.8	930
18-20	100.0	96.9	86.9	73.3	57.5	39.5	20.5	9.8	3.2	53.2	930
21-23	100.0	99.0	93.7	81.8	70.5	55.8	35.5	15.6	4.4	60.1	930
ALL HOURS	99.9	95.7	86.6	73.0	58.4	45.0	29.4	13.5	3.6	54.9	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	99.9	91.6	73.7	53.6	36.9	23.9	13.6	5.9	1.4	44.5	10954
03-05	99.9	96.7	84.3	64.8	45.3	30.0	17.2	7.4	1.9	49.2	10953
06-08	100.0	97.3	86.0	68.2	48.3	32.1	18.7	8.2	2.1	50.5	10954
09-11	99.8	84.2	60.9	40.2	25.4	14.7	7.3	3.0	.8	38.1	10956
12-14	99.6	67.9	40.1	21.0	11.0	5.6	2.5	1.0	.3	29.2	10956
15-17	99.2	56.5	29.8	14.3	7.7	3.9	2.0	.9	.2	25.6	10955
18-20	99.7	69.6	45.0	28.4	17.3	10.5	5.2	2.4	.5	32.1	10953
21-23	99.8	85.5	64.8	44.5	29.4	18.9	10.1	4.6	1.0	40.3	10953
ALL HOURS	99.7	81.2	60.6	41.9	27.7	17.5	9.6	4.2	1.0	38.7	87634

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	FFFFF
PP	AAAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	1018.7	1016.5	1013.8	1011.2	1008.7	1007.4	1009.3	1009.9	1009.8	1013.1	1015.7	1018.0	1012.7
	SD	4.715	4.423	4.355	3.691	2.787	2.163	2.496	2.419	2.946	3.246	4.162	4.853	5.187
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0500	MEAN	1018.6	1016.4	1013.7	1011.6	1009.4	1008.2	1010.0	1010.4	1010.3	1013.3	1015.8	1017.9	1013.0
	SD	4.736	4.436	4.368	3.742	2.803	2.203	2.318	2.323	2.907	3.293	4.190	4.953	4.978
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0800	MEAN	1019.9	1017.9	1015.3	1013.2	1011.0	1009.9	1011.7	1012.0	1011.9	1014.9	1017.3	1019.3	1014.5
	SD	4.846	4.526	4.440	3.783	2.835	2.185	2.243	2.258	2.920	3.392	4.268	5.074	4.947
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1100	MEAN	1020.8	1018.6	1015.7	1013.3	1010.8	1009.7	1011.5	1012.0	1012.0	1014.9	1017.7	1020.1	1014.7
	SD	4.730	4.439	4.409	3.731	2.826	2.198	2.214	2.285	2.885	3.391	4.158	4.918	5.146
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1400	MEAN	1017.8	1016.0	1013.3	1011.2	1008.8	1007.7	1009.3	1009.7	1009.7	1012.3	1014.9	1017.2	1012.3
	SD	4.553	4.301	4.253	3.628	2.812	2.187	2.230	2.275	2.877	3.320	4.051	4.692	4.862
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1700	MEAN	1017.0	1014.8	1011.8	1009.4	1006.8	1005.7	1006.9	1007.5	1007.9	1011.2	1014.2	1016.7	1010.8
	SD	4.524	4.172	4.281	3.617	2.821	2.189	2.343	2.394	2.937	3.320	4.062	4.446	5.251
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
2000	MEAN	1018.0	1015.7	1012.5	1009.7	1007.1	1005.7	1007.3	1008.1	1008.6	1012.1	1015.3	1017.7	1011.5
	SD	4.561	4.263	4.305	3.614	2.819	2.126	2.479	2.545	2.995	3.369	4.073	4.568	5.491
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
2300	MEAN	1018.8	1016.5	1013.5	1010.9	1008.4	1007.1	1009.1	1009.6	1009.6	1013.0	1015.9	1018.3	1012.5
	SD	4.658	4.362	4.355	3.597	2.805	2.135	2.544	2.594	2.993	3.341	4.149	4.671	5.283
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
ALL HOURS	MEAN	1018.7	1016.6	1013.7	1011.3	1008.9	1007.7	1009.4	1009.9	1010.0	1013.1	1015.8	1018.2	1012.8
	SD	4.798	4.508	4.512	3.912	3.151	2.635	2.859	2.824	3.221	3.544	4.280	4.884	5.299
	TOT OBS	2480	2253	2480	2400	2480	2400	2480	2480	2400	2480	2400	2480	29213

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	30.10	30.04	29.96	29.90	29.83	29.80	29.86	29.88	29.87	29.96	30.02	30.08	29.94
	SD	.135	.127	.127	.105	.079	.062	.072	.069	.084	.093	.119	.141	.141
	TOT OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651
0500	MEAN	30.09	30.03	29.96	29.91	29.85	29.83	29.88	29.89	29.88	29.96	30.02	30.07	29.95
	SD	.136	.128	.126	.107	.080	.063	.067	.066	.083	.095	.120	.144	.135
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0800	MEAN	30.12	30.07	30.00	29.95	29.90	29.88	29.93	29.94	29.93	30.00	30.06	30.11	29.99
	SD	.139	.130	.129	.108	.081	.064	.065	.065	.084	.097	.122	.146	.133
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1100	MEAN	30.15	30.10	30.02	29.96	29.89	29.87	29.93	29.94	29.93	30.01	30.07	30.13	30.00
	SD	.136	.129	.128	.106	.080	.064	.063	.065	.082	.098	.119	.143	.139
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1400	MEAN	30.07	30.02	29.95	29.90	29.83	29.81	29.86	29.87	29.86	29.93	29.99	30.05	29.93
	SD	.132	.124	.123	.103	.080	.064	.064	.064	.083	.096	.117	.137	.132
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1700	MEAN	30.05	29.99	29.90	29.84	29.78	29.75	29.79	29.81	29.81	29.90	29.97	30.04	29.89
	SD	.130	.120	.124	.103	.080	.063	.067	.070	.084	.096	.117	.130	.143
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
2000	MEAN	30.07	30.01	29.92	29.85	29.78	29.75	29.80	29.82	29.83	29.92	30.00	30.06	29.90
	SD	.131	.122	.124	.103	.080	.062	.071	.072	.084	.097	.117	.131	.147
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
2300	MEAN	30.10	30.03	29.95	29.89	29.83	29.80	29.86	29.87	29.86	29.95	30.02	30.08	29.94
	SD	.133	.126	.126	.102	.079	.062	.073	.074	.086	.096	.119	.135	.143
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
ALL HOURS	MEAN	30.09	30.04	29.96	29.90	29.84	29.81	29.86	29.88	29.87	29.95	30.02	30.08	29.94
	SD	.138	.130	.131	.112	.090	.077	.083	.081	.092	.102	.123	.141	.144
	TOT OBS	2480	2253	2480	2400	2480	2399	2480	2480	2400	2480	2400	2480	29212

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722785

STATION NAME: LUKE APB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0200	MEAN	28.93	28.87	28.80	28.73	28.67	28.64	28.70	28.72	28.71	28.79	28.85	28.91	28.78
	SD	.131	.124	.122	.101	.078	.062	.070	.067	.081	.089	.115	.137	.136
	TOT OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651
0500	MEAN	28.92	28.86	28.79	28.74	28.69	28.67	28.72	28.73	28.72	28.79	28.85	28.90	28.78
	SD	.132	.125	.122	.103	.078	.063	.065	.064	.080	.091	.116	.139	.131
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0800	MEAN	28.95	28.90	28.83	28.79	28.73	28.71	28.77	28.77	28.76	28.83	28.89	28.94	28.82
	SD	.135	.126	.124	.104	.078	.062	.061	.061	.080	.094	.118	.141	.128
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1100	MEAN	28.98	28.93	28.85	28.79	28.73	28.71	28.76	28.77	28.77	28.84	28.90	28.96	28.83
	SD	.132	.125	.124	.102	.078	.063	.060	.061	.078	.095	.116	.138	.135
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1400	MEAN	28.90	28.85	28.78	28.73	28.67	28.65	28.70	28.71	28.70	28.77	28.83	28.88	28.76
	SD	.128	.120	.119	.099	.078	.064	.062	.063	.080	.092	.113	.133	.128
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1700	MEAN	28.88	28.82	28.74	28.68	28.61	28.59	28.63	28.65	28.65	28.74	28.81	28.87	28.72
	SD	.126	.116	.120	.100	.079	.063	.067	.069	.082	.093	.112	.126	.139
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
2000	MEAN	28.90	28.84	28.76	28.69	28.62	28.59	28.64	28.66	28.67	28.76	28.83	28.89	28.74
	SD	.127	.119	.120	.100	.079	.062	.071	.072	.082	.093	.113	.128	.143
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
2300	MEAN	28.92	28.86	28.79	28.72	28.66	28.64	28.69	28.71	28.70	28.79	28.86	28.92	28.77
	SD	.128	.127	.119	.097	.077	.063	.071	.073	.084	.092	.118	.132	.138
	TOT OBS	310	273	313	297	314	302	310	310	293	303	314	311	3650
ALL HOURS	MEAN	28.92	28.87	28.79	28.73	28.67	28.65	28.70	28.71	28.71	28.79	28.85	28.91	28.78
	SD	.134	.127	.126	.108	.088	.076	.080	.079	.089	.098	.119	.137	.139
	TOT OBS	2480	2245	2483	2397	2484	2401	2480	2480	2393	2473	2414	2481	29211

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	GG GGG
PP	AAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGG
PP	AA AA	RR RR	TT	GGGGGG

G - 1 - 1

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930				930				930	.1			930
CATEGORY B				958				977				978	.1	.1		948

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2	.1		930	.1			930	.5	.2		930	.1			930
CATEGORY B	.9	.5	.1	962	.9	.5		959	.8	.5	.3	952	.3	.1		961

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2	.1		4650	.1	.0		7440
CATEGORY B	.6	.3	.1	4799	.4	.2	.1	7695

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				846				846				846	.4			846
CATEGORY B	.5	.2	.1	859	.1			864	.2			871	.7	.2		864

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE20	GE25	OBS	GE15	GE20	GE25	OBS	
CATEGORY A	.9	.4		846	1.1	.1		845	.2		843				843	
CATEGORY B	2.2	1.6	.5	864	2.7	1.2	.3	866	.9	.7	.2	871	.5	.1		862

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.5	.1		4226	.3	.1		6761
CATEGORY B	1.3	.7	.2	4336	1.0	.5	.1	6921

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.4	.1		930	.1			930				930				930
CATEGORY B	.8	.1	.1	950	.1			940	.2			948	.8	.2		953

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.1			930	1.7	.2		930	1.2	.3		930	.6	.1		930
CATEGORY B	3.1	2.1	.5	957	5.0	2.4	.5	947	2.7	1.6	.7	947	1.3	.8	.2	949

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8	.1		4650	.6	.1		7440
CATEGORY B	2.4	1.3	.4	4752	1.8	.9	.3	7591

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				900				900				900	.1			900
CATEGORY B				907	.1			912	.1			920	1.0	.3		911

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.6			900	1.1	.3		900	1.0			900	.2			900
CATEGORY B	2.7	.8	.2	910	3.3	1.7	.5	915	2.3	.8	.2	913	.6	.2		909

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.6	.1		4500	.4	.0		7200
CATEGORY B	1.9	.7	.2	4569	1.3	.5	.1	7297

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX A2
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930				930				930	.2			930
CATEGORY B	.1	.1		935	.2	.1		930				934	.6			930

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930	.4	.1		930	.9	.3		930	.3			930
CATEGORY B	.5	.2	.1	931	2.4	1.1	.3	943	2.3	.9	.5	950	.5	.3	.1	951

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3	.1		4650	.2	.1		7440
CATEGORY B	1.2	.4	.2	4688	.9	.3	.1	7504

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				900	.1	.1		900				900				900
CATEGORY B	.2	.1		908	.2	.1	.1	910				903	.5	.2		910

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1	.1		900	.2			900	.1	.1		900	.1			900
CATEGORY B	1.0	.4		903	1.3	.3		906	1.4	.5	.3	922	.7	.4	.3	922

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1	.0		4500	.1	.0		7200
CATEGORY B	.9	.3	.1	4544	.7	.3	.1	7284

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.0	.3		930	.3	.1	.1	930				930	.1			930
CATEGORY B	2.0	1.0	.7	963	.8	.3	.1	952	.3	.1		942	.2	.1		935

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			930	.2			930	1.6	.9	.2	930	1.3	.4	.3	930
CATEGORY B	.3			933	1.3	.5	.3	946	4.8	2.6	1.2	1000	3.1	1.5	.9	982

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.4	.2	.0	4650	.6	.2	.1	7440
CATEGORY B	1.4	.7	.3	4756	1.6	.8	.4	7653

G - 2 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1	.1		930	.1			930				930				930
CATEGORY B	.5	.3	.1	957	.2	.1		961				945	.4			948

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2	.1		930				930	.9	.2	.1	930	1.9	.6	.1	930
CATEGORY B	.8	.2	.2	945	.8	.1		957	3.3	1.6	.7	978	4.3	2.6	1.6	994

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2	.1	.0	4650	.4	.1	.0	7440
CATEGORY B	1.1	.4	.2	4773	1.3	.6	.3	7685

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			900	.1			900				900	.2			900
CATEGORY B	.2	.1		917	.4	.1	.1	911				914	1.5	.3		917

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.6			900	.9	.3		900	.4	.1	.1	900	.7	.1	.1	900
CATEGORY B	2.6	.2	.1	916	1.8	1.1	.5	923	1.6	1.2	.3	926	1.9	1.0	.7	918

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.4	.1	.0	4500	.4	.1	.0	7200
CATEGORY B	1.5	.6	.2	4596	1.3	.5	.2	7342

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2			930				930				930				930
CATEGORY B	.4			946	.1	.1		938	.1			951	.3	.1		942

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3			930	.1	.1		930				930	.1			930
CATEGORY B	1.1	.2		949	1.3	.4	.1	949	.1			940	.6	.1		937

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1	.0		4650	.1	.0		7440
CATEGORY B	.6	.1	.0	4731	.5	.1	.0	7552

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				900				900				900	.1			900
CATEGORY B	.1			916				909				914	.7	.2		916

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.4	.1		900	.6			900				900				900
CATEGORY B	.8	.2		913	1.4	.3	.2	913	.2			913	.1	.1		908

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2	.0		4500	.1	.0		7200
CATEGORY B	.6	.2	.0	4569	.4	.1	.0	7302

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930				930				930				930
CATEGORY B				953				944	.2			965	.3			948

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			930				930	.1			930				930
CATEGORY B	.3			956	.3			949	.3			940				942

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.0			4650	.0			7440
CATEGORY B	.3			4758	.2			7597

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 030-210

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: MAR 81 - FEB 91
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2	.0		10956	.1	.0	.0	10956				10956	.1			10956
CATEGORY B	.4	.2	.1	11169	.2	.1	.0	11148	.1	.0		11185	.6	.2		11122

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.4	.1		10956	.5	.1		10955	.6	.2	.0	10953	.5	.1	.0	10953
CATEGORY B	1.4	.5	.1	11139	1.9	.8	.2	11173	1.8	.9	.4	11252	1.2	.6	.3	11235

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3	.1	.0	54776	.3	.1	.0	87641
CATEGORY B	1.1	.5	.2	55871	.9	.4	.2	89423

FFFFFFFF	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
FFFFFFFF	AAAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
FFFFFFFF	AA AA	RRRRRRRR	TT	HHHHHHHH	HH
FFFFFFFF	AAAAAAAA	RRRRRRRR	TT	HHHHHHHH	HH
PP	AAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

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PART B

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) FOR (IF AVAILABLE). THE 30-YEAR FOR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR FOR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: JAN 52 - FEB 91

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1952	413	286	280	40							240	392	1651
1953	250	275	105	34	2					14	129	412	1221
1954	344	89	153	3						11	48	312	960
1955	459	341	109	32	3			****			147	243	1334
1956	248	390	99	39						31	172	321	1300
1957	325	100	71	33	1					8	216	269	1023
1958	315	153	206	50						5	124	225	1078
1959	294	275	53		2					25	75	311	1035
1960	464	349	48	14						13	103	370	1361
1961	241	149	129	5						50	231	414	1219
1962	410	259	284	1	2					1	118	320	1395
1963	498	134	163	70							107	367	1339
1964	505	411	254	59	21					1	279	393	1923
1965	341	301	241	112	7				2	14	145	401	1564
1966	520	404	117	9						3	108	372	1533
1967	403	199	96	103	3						66	494	1364
1968	352	124	148	42						1	186	475	1328
1969	252	272	212	3	8					5	84	286	1122
1970	376	141	187	73						24	161	418	1380
1975	398	287	175	112	6					18	155	332	1483
1976	365	206	192	84						18	138	340	1343
1977	364	161	205	42							65	292	1129
1978	357	254	117	44	4					8	214	507	1505
1979	537	321	212	41	6					7	200	329	1653
1980	321	197	215	68						26	115	162	1104

H - 2 - 1

1981	289	239	116	12		12	67	292	1027
1982	308	181	179	30		6	138	388	1310
1983	330	221	172	108	1		201	345	1378
1984	336	262	71	43		15	171	377	1275
1985	383	268	138	6			210	359	1364
1986	182	201	79	9	2		81	310	864
1987	411	210	151	11	1		135	423	1342
1988	374	189	112	28	6		171	340	1220
1989	354	164	48			9	54	335	964
1990	380	309	93	2			117	429	1330
1991	356	67							423
.....									
MEAN	364	233	149	38	2	0	9	142	353
SD	80.84	88.14	64.82	34.31	4.04	.34	11.34	58.26	73.12

H - 2 - 1A

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 75

STATION NUMBER: 722785

STATION NAME: LUKE AFB/PHOENIX AZ
LST TO UTC: + 7

PERIOD OF RECORD: JAN 52 - FEB 91

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1952				4	177	307	460	507	327	85			1867
1953				9	45	329	540	483	312	47			1765
1954				49	164	317	553	454	341	91			1969
1955				2	115	327	423	****	293	126			1286
1956				6	156	453	523	424	389	39			1990
1957				2	69	443	587	474	290	38			1903
1958				20	267	426	576	547	317	78			2231
1959				36	93	487	631	469	270	47			2033
1960				9	132	488	588	522	357	45			2141
1961				18	97	448	525	450	197	31			1766
1962				38	67	280	479	531	278	21			1694
1963				2	151	205	558	408	310	79	3		1716
1964			1	7	129	266	574	435	215	67			1694
1965				20	72	168	532	451	148	12			1403
1966				10	198	372	574	500	274	25			1953
1967					107	256	548	513	272	50			1746
1968				1	97	341	470	346	231				1486
1969				7	228	308	618	635	370	26			2192
1970					150	363	617	515	188	10			1843
1975					92	302	540	493	322	40			1789
1976				3	139	354	501	453	228	11			1689
1977				24	52	421	585	535	294	74			1985
1978				3	85	405	516	386	224	90			1709
1979					95	324	484	338	350	103			1694
1980				13	63	426	679	523	336	113			2153

1981	75	155	579	559	574	331	17	2290
1982	11	97	248	498	484	272	3	1613
1983		160	311	569	480	365	7	1892
1984	24	270	349	531	486	344	29	2033
1985	50	160	427	572	505	159	39	1912

1986	7	9	205	474	528	614	220	29	2086
1987		58	118	368	484	521	259	75	1883
1988	7	24	206	428	686	461	231	90	2133
1989	3	133	197	431	638	505	335	76	2318
1990		52	143	515	615	437	298	39	2099

MEAN	0	20	135	369	553	484	284	50	0
SD	1.70	27.61	57.90	91.18	60.06	63.58	61.51	33.69	.51

H - 3 - 1A

A W S CLIMATIC BRIEF NOV 91	STATION NAME: LUKE AFB/PHOENIX AZ LATITUDE/LONGITUDE: 33 32 N 112 23 W BOURLY OBS FOR: MAR 81 - FEB 91 SUMMARY OF DAY POR: DEC 41-NOV 46, APR 51-FEB 91 HOURS SUMMARIZED: 0000 - 2300 LST LST TO UTC: +07												FIELD ELEV: 1090 FT STATION MSC: 722785 CALL SIGN: KLUF SUPERSEDES: AUG 86			
	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR	
	EXTRM MAX TEMP (F)	85	91	98	104	112	122	118	117	112	109	93	87	122	47	
	MEAN MAX TEMP (F)	65	69	74	83	92	102	105	102	98	87	74	65	85	47	
MEAN TEMP (F)	53	56	61	69	77	87	92	90	84	73	60	53	71	47		
MEAN MIN TEMP (F)	40	43	48	54	62	71	79	77	70	58	47	40	58	47		
EXTRM MIN TEMP (F)	21	25	28	35	43	53	55	60	50	32	30	21	21	47		
D/W TEMP GE 100 (F)	0	0	0	1	5	20	27	23	13	1	0	0	90	47		
D/W TEMP GE 90 (F)	0	#	1	7	21	28	31	31	26	12	#	0	157	47		
D/W TEMP LT 40 (F)	14	8	3	1	0	0	0	0	0	#	4	15	45	47		
D/W TEMP LT 33 (F)	3	1	1	0	0	0	0	0	0	#	1	2	8	47		
HEATING DEGREE DAYS	364	233	149	38	2	0	0	0	#	9	142	353	1290	40		
COOLING DEGREE DAYS	0	0	#	20	135	369	553	484	284	50	#	0	1895	40		
MEAN DEWPOINT TEMP (F)	34	33	34	36	37	42	57	60	53	43	35	34	42	10		
MEAN WET BULB TEMP (F)	44	46	49	53	57	62	70	71	65	57	48	44	56	10		
99.95% WCPA (FT)	1350	1350	1450	1450	1450	1400	1400	1350	1400	1350	1350	1350	1500	10		
MEAN REL HUM 07 LST(%)	66.6	58.2	52.8	43.2	34.0	29.4	45.3	52.6	51.1	51.1	56.0	66.0	50.5	10		
MEAN REL HUM 13 LST(%)	39.7	33.7	29.9	22.2	18.0	16.2	27.1	31.5	29.0	29.5	32.4	41.3	29.2	10		
MAX 24HR PRECIP (IN)	2.17	1.49	2.23	.80	1.43	1.09	1.90	2.87	3.47	1.44	1.01	1.66	3.47	47		
MAX PRECIP (IN)	3.18	3.64	3.79	1.77	1.87	1.09	2.76	8.40	4.01	3.56	3.45	4.49	18.33	47		
MEAN PRECIP (IN)	.85	.75	.77	.25	.13	.09	.67	1.12	.89	.62	.58	.87	7.35	47		
MIN PRECIP (IN)	.00	.00	.00	.00	.00	.00	#	#	.00	.00	.00	.00	2.18	47		
D/W PRECIP GE .01 (IN)	4	3	4	2	1	1	4	5	2	2	3	3	34	47		
D/W PRECIP GT .50 (IN)	1	1	1	#	#	#	1	1	1	1	1	1	9	47		
MAX 24HR SNFL (IN)	#	#	#	#	0	0	0	0	0	0	0	#	#	41		
MAX SNFL (IN)	#	#	#	#	0	0	0	0	0	0	0	#	#	41		
MEAN SNFL (IN)	#	#	#	#	0	0	0	0	0	0	0	#	#	41		
D/W SNFL GE .1 (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	41		
D/W SNFL GE 1.5 (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	41		
MAX DLY SNO DEPTH (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	41		
PRVING WND DIR (DEG)	35-01	35-01	\$35-01	20-22	20-22	20-22	20-22	20-22	\$35-01	\$35-01	35-01	\$35-01	\$35-01	10		
MEAN WND SPD (KTS)	4	4	4	5	5	5	5	4	4	3	3	3	4	10		
MAX WND SPD (KTS)	42	44	50	47	46	49	69	62	50	67	51	41	69	33		
SKY COVER GT 5/10 (%)	35.2	41.9	36.6	32.5	21.2	16.5	35.3	30.8	22.5	24.3	28.8	37.1	30.2	10		
D/W THUNDERSTORMS	1	1	1	1	1	1	6	7	3	1	1	1	25	47		
D/W FOG (VSBY LT 7 MI)	2	1	1	#	#	0	#	1	1	1	1	2	10	47		
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION																

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY															
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	2.0	1.7	.5	.0	.0	.0	.5	.1	.0	.0	1.3	1.5	.6	10
	03 - 05	2.3	2.6	.1	.0	.0	.1	.1	.1	.0	.1	.9	2.3	.7	10
	06 - 08	3.1	2.6	.4	.0	.0	.0	.0	.1	.1	.1	1.3	3.4	.9	10
	09 - 11	1.7	1.4	.6	.0	.0	.0	.0	.6	.2	.5	.1	2.9	.7	10
	12 - 14	1.6	1.3	.8	.0	.0	.0	.0	.5	.0	.2	.7	3.1	.7	10
	15 - 17	1.1	.7	.3	.1	.1	.0	.0	.3	.1	.1	1.1	2.2	.5	10
	18 - 20	.6	.5	.1	.0	.4	.2	1.1	.4	.6	.0	1.1	1.7	.6	10
	21 - 23	1.2	.9	.2	.1	.0	.2	.5	1.5	.0	.0	1.6	1.4	.6	10
	ALL	1.7	1.5	.4	.0	.1	.1	.3	.5	.1	.1	1.1	2.3	.7	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	1.0	.2	.1	.0	.0	.0	.5	.1	.0	.0	.1	1.2	.3	10
	03 - 05	1.5	.8	.1	.0	.0	.0	.1	.1	.0	.0	.4	1.4	.4	10
	06 - 08	2.3	1.3	.2	.0	.0	.0	.0	.1	.1	.1	.7	1.7	.5	10
	09 - 11	1.1	.5	.2	.0	.0	.0	.0	.3	.1	.3	.2	2.2	.4	10
	12 - 14	1.1	.1	.3	.0	.0	.0	.0	.2	.0	.0	.4	1.9	.3	10
	15 - 17	.8	.0	.1	.1	.1	.0	.0	.3	.0	.0	1.1	1.3	.3	10
	18 - 20	.5	.0	.1	.0	.4	.2	1.1	.4	.6	.0	.9	1.1	.4	10
	21 - 23	1.0	.1	.1	.1	.0	.2	.5	1.5	.0	.0	.8	.8	.4	10
	ALL	1.1	.4	.2	.0	.1	1	.3	.4	.1	.1	.6	1.4	.4	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	.6	.0	.0	.0	.0	.0	.4	.0	.0	.0	.1	.9	.2	10
	03 - 05	1.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.4	.9	.2	10
	06 - 08	1.4	.5	.0	.0	.0	.0	.0	.1	.1	.0	.7	1.3	.3	10
	09 - 11	.8	.1	.2	.0	.0	.0	.0	.1	.1	.0	.2	1.7	.3	10
	12 - 14	.6	.0	.1	.0	.0	.0	.0	.2	.0	.0	.1	1.2	.2	10
	15 - 17	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.6	.5	.1	10
	18 - 20	.1	.0	.0	.0	.2	.1	.6	.2	.3	.0	.0	.5	.2	10
	21 - 23	.4	.0	.1	.1	.0	.2	.3	.9	.0	.0	.4	.8	.3	10
	ALL	.6	.1	.1	.0	.0	.0	.2	.2	.1	.0	.3	1.0	.2	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	10
	03 - 05	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10
	06 - 08	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	10
	09 - 11	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	10
	12 - 14	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	10
	15 - 17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	10
	18 - 20	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	.0	10
	21 - 23	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	10
	ALL	.2	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0	10

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : @

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